Aug - Sept - 2015















Editor: Dinesh J. Shah, Vadodara, Gujarat, INDIA. (M) +91-9327344559 / +91-8264233414, Email: plasticudyog@gmail.com Total Page: 44 Rs. 75/-



# Ashok Industries



Free Distribution



Multi Layer & Monolayer Extrusion Plant

## Mono Layer Film Plant

Screw Diameter: 32, 40, 45, 55 mm
Layflat: 127 mm to 1100mm
Out Put: 40 kg to 100 kg



Application of HM-HDPE, LD, LLDP Films

- > Vest Bags (Zabla)
- > Heavy Duty Bags
- > Shopping Bags
- > Refus Bags
- > Liners
- > Textile & Garments



Out Put :100kg to 200kg

**ABA Plant** 

#### **Special Feature**

- > Gas Nitritded Screw and Barrel > Helical Gear Box Spiral Die > Ac drive for extruder and Take Up
- > Surface Winder > Film embosing (RimZim) > Arrangement > High Output
- Low power consumption > Space saving compact model > Improved efficiency
- Cold Star Preventer > Alarm for failur of machine

984, GIDC Estate, Makarpura, Vadodara - 390010, Ph: +91-265-264 6838,

(M) +91 9327230220 / 9825010984, Email: rks984@gmail.com / web: ashokextrusion.com

2 Perior

# Do Not Litter. Keep Your Environment Clean

- Segregate and Throw Waste only in Waste Bins.
- Use Two Bins one for Wet Waste, One for Dry Waste.



Can be recycled into useful products.

Waste Food and other Biodegradable Waste Can be composted into manure.

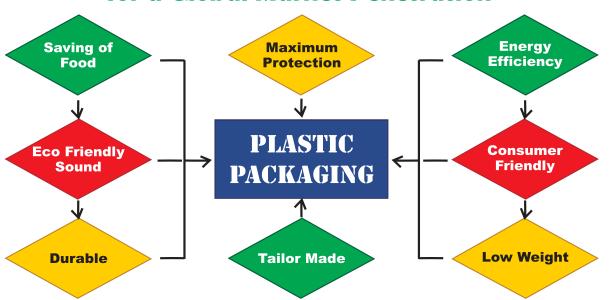




# With Best Compliment PLASTIC PROCESSERS (GUJ.) ASSOCIATION VADODARA

# PLASTIC ARE SAFE & HYGIENIC MEDIUM FOR PACKAGING FOOD & FOOD PRODUCT

# Dominating Factors of Plastics Packaging for a Global Market Penetration



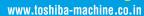
### DO NOT PACK & LITTER WASTE FOOD IN CARRY BAG AVOID PLASTIC ENTERING IN TO ANIMAL BODY

**Jaykant Nanavati** 98250 46336 Polymer Plast Madan Jain 98250 88354 Vinmar Polymer Product Rakesh Agrawal 98240 97480 Papa International

# TOSHIBA MACHINE BEST PARTNER OF LEADING INDUSTRIES

INDIA

# One stop shop for injection molding Machine & Auxiliary Equipment









EC-S Series -All Electric machine









#### **Regional Sales office:**

Mumbai: 09323151850 | Delhi: 09899020315 | Kolkata: 09830025608 | Chennai: 09841001914

# **HDPE TARPAULIN SEALING MACHINES**

#### Manufacturer of

◆ Poly Trapaulin Without Pneumatic Sealing Machines, Center Sealing and Side sealing Machines (Single Head) Two in One Heat Sealing Machine, Eyelet Machines (Semi Automatic) ◆ Poly Trapaulin Pneumatic Heat Sealing Machines (Ranges: Single Head to 6 Heads) ◆ SRF NYLON & PVC Sheet Tarpaulin Heat Sealing Machine, Sealing & Cutting Machine ◆ LD, HM, HD, Processing Double Die Extrudes Machine Grinders, Mixture and Other Plastic Processing Machinery ◆ Tarpaulin Hydraulic Bale Press Machine 10 Ton Capacity.





# Single & Double Colour Non - Woven Poly bag

# Offset Printing Machine

- Machine Size :16"X 22"
- Fully automatic Impression System
- India's First Vacuum Feeding Ma



An ISO 9001:2008 Company

• High quality Performance and Reputed After Sales Support.



# LITTLEBERG OFFSET CO.

Manufacturer of Printing & Packaging Machinery 333, Dr. & Dr. Compound, GIDC, Makarpura, Vadodara-390010, Gujarat, India.

M.: 8488899234, 9825321587, 8460451840. | E-mail: littlebergoffset@gmail.com

info@littlebergoffset.com Web: www.littleberg.in | www.littlebergoffset.com

# Advance Technology &



"Way of connecting recycle"



**Lumps Grinder** 



**Article Grinder** 



Rafia Grinder



Pet Bottle Grinder



Pet Bottle Grinder Open



**Aglo Machine** 



Woven Bag & Tape Waste Grinder



Tape & Film Grinder with Blower System



**Big Article Grinder** 



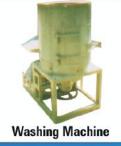
**Fuel Scrap Grinder** 



**Rubber Tube Grinder** 



**Double Rotter** Size: 54 x 50 **Cutter Machine** 





**Rotor Shaft** 



# JA YDEEP Engineering

Manufacturer: Specialist in all Kind of Plastic Scrap Grinder & Plastic Machinery.

402/9, G.I.D.C-2, Dolatpara, Junagadh (Gujarat) India Phone : (0285) 2660447, 2660047 M. 98257 79447, 96871 29387, 99793 85063 E-mail: jaydeep@scrapgrinders.com, Web: www.scrapgrinders.com

#### APR COMPLETES NATIONAL MIXED RIGID BALE COMPOSITION STUDY Executive Summary Reveals Key Findings

A recently released study designed to determine the type of plastic material contained in mixed rigid bales will serve as the basis for the continued expansion of plastics recycling beyond traditional containers and packaging. Commissioned by The Association of Postconsumer Plastics Recyclers (APR), the leading trade organization representing the plastics recycling industry, and conducted by Moore Recycling, the study follows up on an initial survey conducted in 2011, which was the first such effort to determine the composition of various types of mixed rigid plastic bales in North America.

"As recycling rates continue to grow, understanding the type and tonnage available for recycling in North America will strengthen and advance investment in non-bottle rigid recycling," commented J. Scott Saunders, General Manager of KW Plastics and Chairman of APR.

The 2015 National Mixed Rigid Bale Composition Study focused on material being generated in non-traditional bales of plastic. It was designed to demonstrate the types of plastic containers in the bales, demonstrate the value of separating the material, and encourage the continued expansion of plastics recycling to include non-bottle rigid material.

"This project is part of APR's continued efforts to improve bale quality," stated Liz Bedard, Director of the APR Rigids Program. "In order to justify an investment to expand processing capacity, we must understand the different types of material available for reclamation."

A total of 23 bales were sorted by resin and product type at four different North American facilities. A handheld resin ID unit was used to spot check for items that were not easily identified by sight, feel or sound. Once the sorts were complete each resin/product category was weighed and recorded, and samples of product categories were photographed. In total, between product categories and resin type, baled material was divided into 90 sorts.

The full study contains a breakout of each type of bale, sorted by product and resin categories and shows average percentage of each category in the bale. In addition, the appendix includes detailed sort data broken down both by bale type/product category and by bale type/ resin. The

type/product category and by bale type/ resin. The report also includes comparative data from the 2010/2011 National Mixed Rigid Plastic Bale Composition Study & Analysis of Non-Bottle Rigid Plastic Available for Recycling.

www.plasticsrecycling.org

Courtesy

#### +VE Kamal shah

#### positiveaggression

C-915, Siddhi Vinayak Towers, Behind Parsoli Motors, S. G. Highway, Ahmedabad 380054, Gujarat, INDIA

ನಾಮ ಅಹಮದಾಬಾದ್ ಮೂಲದ ಸಲಹೆಗಾರರು ಇವೆ.

ನಾಮ ಹೊಸ ಯೋಜನೆಗಳನ್ನು ಸ್ಥಾಪಿಸಲು ಸಹಾಯ .

ನಾಮ ಹೆಚ್ಚಿನ ಚಂಡವಾಳ ಮಾಧ್ಯಮದ ಸಣ್ಣ ಚಲ ಯೋಜನೆಗಳು ಪ್ರಸ್ತಾಪಿಸಲು ನಾಮ ಯಾಮದೇ ಯೋಜನೆಗೆ ಪ್ರಯೋಗ ಉತ್ಪಾದನೆ ತನಕ ಆರಂಭದಿಂದ ಸಹಾಯ .

ಚರ್ಚಿಸಲು ಸ್ತಾಗತ.

ಸಂಪರ್ಕ: ಕಮಲ್ ಷಾ.

We are Ahmedabad based consultants assisting to set up Lucrative / new projects for our country.

Much away from Traditional business, we propose NEW products and Projects.

Our assisted projects have commenced Nation-wide from Baddi in Himachal till Madurai in

TN

We propose projects right from small to medium to high investment.

Welcome to discuss.

We assist from Scratch till the trial production for any project. positive@positiveaggression.in mail@positiveaggression.in kamal@positiveaggression.in

0091 9624112091 & 0091 9879552875 0086 13262973406 (China Unicom)

Welcome to discuss, we are highly technical & professional.

www.plasticudyog.com 7 AUG - SEPT-2015

# REIFENHÄUSER BLOWN FILM IS BOOSTING QUALITY AND FLEXIBILITY IN THE PRODUCTION OF HIGH-QUALITY BARRIER FILMS ON 11-LAYER LINE

The need for barrier film is growing worldwide and so are the requirements for film properties in high-quality barrier packaging applications. Parallel to this, producers are demanding high production flexibility to serve the market with different products. Reifenhäuser Blown Film's answer to rising performance requirements is the development of a highly flexible and efficient 11-layer blown film line.

Thanks to the variable choice of layer structures offered producers by an 11-layer blown film line, there is no need for the time-consuming and costly laminating step in the conversion of some products. Furthermore, the greater flexibility achieved with more layers often results in a higher overall performance when processing polyolefins. "But it gets even better", says Ralf Wiechmann, Product Manager at Reifenhäuser Blown Film GmbH: "We have developed a screw design for our extruders that can effortlessly handle almost every polyolefin type and every barrier raw material without modification of the machine." Therefore, product changeover becomes as simple as child's play: purging the line, changing to a new recipe and just watching another barrier film being conveyed to the winder. In this way, also comparatively small lot sizes of speciality film can be economically produced.

#### High quality for an optimal conversion

Another special feature of the 11-layer line is its innovative design. A skilful choice of an asymmetric high-barrier structure (see ill.) by the producer can almost completely prevent curling of the film without using a normally required water bath (critical with regard to hygienic production conditions). Curling of the film edges is caused by the different speeds at which raw materials cool down.

Furthermore, the specially developed EVOLUTION Ultra Flat haul-off ensures high winding quality and fast, smooth further processing, such as conversion, laminating and printing. Thanks to a minimized stretching of the film via heating-cooling rolls, a perfect flatness of the web can be achieved with this technology.

#### Easy handling and high energy efficiency

For an optimum distribution of the eleven layers Reifenhäuser Blown Film has developed a special die head based on the proven Reifenhäuser technology. The individual adjustment of layer thicknesses allows for an ideal distribution of the raw materials depending on the product.

The well though-out operation of the line facilitates easy handling of the eleven film layers and the large amount of line data: Operators have direct access to all important parameters via a 24" touchscreen. Ralf Wiechmann explains: "Handling is as easy as using a Smartphone. This concept which we also use in other lines, is particularly useful for eleven layers."

In a similar way, this is also valid for the energy efficiency measures Reifenhäuser Blown Film offers for their 11-layer line under the keyword "Blue Extrusion". Investments in these optionally selectable measures pay off very fast due to the required high operating temperatures of 200 to 270°C. For example, producers who opt for highly efficient electric motors and gearboxes, insulation/damping of cylinders and heater bands, or the customized design of a complete production line with a focus on targeted energy optimization, can save energy and reduce production

www.reifenhauser.com

Courtesy

polymer price guide login www.plasticudyog.com Mob : 8264233414, 9327344559

# NEW MATERIALS FROM SABIC CAN BENEFIT BASE STATION COMPONENT DESIGNS AND PERFORMANCE

The explosive growth of smart devices, mobile-tomobile connected modules and the ever-increasing amounts of data and voice traffic generated by their use are key drivers in the need to expand global network and transmission capacity.

SABIC has developed new solutions to help manufacturers of base station antennas – in particular, internal components such as phase shifters – meet this demand with a new portfolio of THERMOCOMP<sup>TM</sup> compounds that have been engineered to meet specific performance requirements in ways that are superior to two incumbent materials, ceramics and PCBs. This suite of new materials has been optimized for transmission conditions from 900 MHz to 3GHz and beyond, providing different combinations of Dk (dielectric constant) and Df (dielectric dissipation factor) performance.

And, according to Alan Tsai, Director of Consumer Electronics Technology & Innovation, Innovative Plastics, "Because these are thermoplastic materials, they can provide greater design flexibility and higher manufacturing yield than traditional materials such as ceramics or printed circuit boards (PCBs), in addition to meeting specific signal strength or signal range objectives."

Within each base station are multiple antennas containing phase shifters which, based on traffic, deliver either greater strength, meaning fewer dropped transmissions; greater range, meaning a broader coverage area; or both. Key measures of performance are the dielectric constant (Dk), which quantifies signal range, and the dielectric dissipation factor (Df), which indicates signal loss.

The dielectric performance requirements are slightly different at various frequencies from 900 MHz to 3GHz, and at different temperature ranges. "We found that the industry lacked performance-specific materials," Tsai noted, "which is why we took on the challenge of providing new options."

In general, when compared to ceramics and PCBs, SABIC's materials can provide a better balance of dielectric properties, with extremely low Df, down to 0.001, and a wide range of Dk from 3 to 13.9, depending on frequency requirements. By comparison, general purpose PCBs are capable of Df to 0.005.

In addition, the thermoplastic-based materials have mechanical properties that provide a number of advantages to base station component OEMs, such as dimensional stability and low friction (important because the phase shifters are in constant motion), flame resistance and stable Dk within climate conditions ranging from -40 $\Box$ c to +55 $\Box$ c with 55% humidity. And, because the materials are thermoplastic, they are capable of complex geometries and miniaturization, unlike ceramics or PCBs. Thermoplastics can also provide higher production yield rates than ceramics, contributing to potentially lower system costs.

SABIC has achieved these results by its superior compounding ability – that is, leveraging a deep understanding of the molecular structure of the base resins and the filler materials to yield the desired performance results. SABIC's dielectric portfolio consists of compounds using a variety of base resins, including LEXAN™ resin, a polycarbonate material; NORYL™ resin, a polyphenylene oxide resin; or high density polyethylene (HDPE) resin, which expands the ability for component manufacturers or system integrators.

www.sabic-ip.com

Courtesy

# CHAROTAR corporation

corporation

www.charotarcorporation.com

Manufacturer of :-Plastic engineering Components. PET

& HDPE Bottles, Plastic Disposable product Piyush Patel +91 987 959 3308

■ jayambepla@yahoo.in

Plot No. 643, G.I.D.C. Industrial Estate, Waghodia, Vadodara, Gujarat - 391760. India.

#### Publisher:

DINESH J SHAH

#### Editor in Chief DINESH J SHAH

#### **Marketing Team**

Rajkot :- Vanraj Kuvadia (M) 9925248830

Surat : Ali Mohmed Patel (M) 9825236110

Mumbai Jitendra Gandhi (M) 09222056448

Graphic Designer Naresh Patel Mob. :9825437466

Owner, Printer, Publisher & Editor DINESH J SHAH

303 - Sunsilk Apartment, B/h Dinesh Mill, Patel Colony, Nr. Verai Mataji Temple, Vadodara - 390 007,Gujarat, India. Phone: (M) +91 93273 44559 +91 8264233414

Email: plasticudyog@gmail.com

# **Plastic Tomorrow**

Published & Printed by DINESH J SHAH

We welcome unsolicited
Material but do not take responsibility
for the same material shall not be
returned unless accompained by
postage letter to the editor are
welcome but will be edited.

All rights reserved nothing may be printed in whole or part without the permission of the publisher. The editors do their best to verify the information published but do not take responsibility for the accuracy of the information.

# CONTENTS

#### **Business News.**

ADD C. I. M. C. LANG I	*********	7
APR Completes National Mixed	•••••	8
Reifenhauser Blow Films Is Boosting	•••••	9
New Material From Sabic	•••••	12
Former Bayer Material		
The success Formula For Injection Molding		13
	*********	14
Benefit of New Labelling Achived	*********	25,to-29
New Project	**********	30
Products Guide		33
Polymer Price Guide		17-21
Events Report ( Elite++ Injection Molding)		
	*********	37
Exhibition Detail	*********	
Advertisement Index.		
Auvertisement much.		

EXII	ibition betail		
	Advertisement Index.		
01.	Ashok Industries		1
02.	Champaneri Engineers		42
03.	Charotar Corporation		9
04.	ETA Engineering Services		41
05.	Jaydeep Engineering		6
06.	Khatri Plastic & Bag Suppliers		12
07.	Little Berg Offset Co	•••••	5
08.	Noyada Engineering		41
09.	Om Enterprise	•••••	41
10.	Pacolls Products		29
11.	Polymer Bazaar		44
12.	Positiveaggression	•••••	7
13.	Santam Dye Chem Industries		15
14.	Shree Gurukrupa Eng. Works	•••••	4
15.	Suhani Enterprise		10
16.	Toshiba Machine		3
17.	Jailaxmi Engineering Corp.	•••••	40
18.	Five Star Engineers		39
19.	Plastic Ass. ( Vadodara )	•••••	2
20.	Reliable Polymer Ind.		39

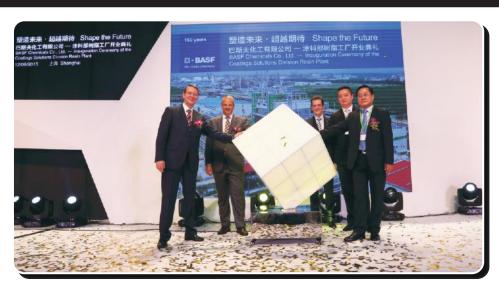


E-5, Ashray Shopping, Nr, Vadsar Bridge Corner, Next to Petrol pump, MAKARPURA,VADODARA-390010 Mo.: 9979888534

160. Swatamtra Sanani Nagar, Near Samta Society, Arunachal Road, Subhanpura, Vadodara - 390023.

Mobile : 9825088531 E-mail : semotors@yahoo.in Web : www.suhanimotors.net

#### BASF inaugurates new resin plant in Shanghai, China



- BASF's first resin plant in China supports increasing customer demands for high quality coatings
- World-class facility to create close to 70 jobs

BASF today inaugurated its new resin and electrocoat plant at the Shanghai Chemical Industry Park (SCIP) in Shanghai. In line with BASF's approach to stay close to customers worldwide, this new plant will further strengthen BASF's local manufacturing footprint in Asia Pacific and create close to 70 new jobs at the site.

During the opening ceremony, Dr. Markus Kamieth, President of BASF Coatings, said, "This plant is a vital addition to our global manufacturing network of high quality coatings. It demonstrates our strong commitment to supporting the automotive industry's long-term growth in Asia Pacific." Dr. Albert Heuser, President Functions Asia Pacific, President and Chairman Greater China, BASF, added, "As part of our Asia Pacific strategy, we aim to produce locally 75% of

what we sell in Asia Pacific. With this investment in a local production facility, we are well

-positioned to provide our customers in the region with customized solutions in a timely manner."

"The automotive industry in Asia is growing. This plant, together with the automotive coatings plant we opened last year, provides the capacity we need to support our customers' growth and success. We will keep on investing in research and development, applications technology and production capacities in Asian markets to fulfill the increasing demands of our customers," said Peter Fischer, Senior Vice President, Coatings Solutions Asia Pacific, BASF.

Strategically located next to each other at SCIP, this new resin plant is fully integrated in the new automotive coatings plant to create more synergies and high production efficiency. They strengthen BASF's position as a leading and innovative coatings supplier to the growing industries, notably the automotive industry, in the region.

www.basf.com

Courtesy

# polymer price guide login www.plasticudyog.com Mob : 8264233414, 9327344559

www.plasticudyog.com 11 AUG - SEPT-2015

#### FORMER BAYER MATERIAL SCIENCE NOW LEGALLY AND ECONOMICALLY INDEPENDENT



#### Covestro up and running

 Leading materials manufacturer has new identity / Stock market flotation by mid-2016 at the latest

One of the world's leading polymer materials suppliers has a new identity. From September 1, 2015 Bayer MaterialScience is operating under the Covestro name. The company is now legally and economically independent, but will remain a 100 percent subsidiary of Bayer AG. Bayer wants to float Covestro on the stock market by mid-2016 at the latest in order to concentrate exclusively on the life sciences businesses.

"Independence will enable us to bring our strengths to bear in global competition more quickly, effectively and flexibly," said Covestro CEO Patrick Thomas.

#### "Making the world a brighter place"

Covestro has a new, colorful logo. Its vision is also new: "To make the world a brighter place." "We fulfill this vision by inspiring innovation and driving growth through profitable technologies and products that benefit society and reduce environmental impacts," said Thomas.

Covestro supplies key industries around the world, such as the automotive, construction and electronics sectors, as well as the furniture, sporting goods and textiles industries. With its products and applications solutions, the company is helping to meet the major challenges of our time, from climate change and resource depletion, increasing mobility and urbanization to population growth and demographic change.

#### Versatile products for key industries

Products include raw materials for premium polyurethane foam, which in flexible form is used primarily in furniture, mattresses and automobile seats; as rigid foam, it serves to insulate buildings and refrigeration equipment. Covestro also produces high-performance polycarbonates, which are also very versatile materials for automotive components, roof structures, medical devices and much more. Rounding out the portfolio are specialty chemicals, including raw materials for coatings, adhesives and films.

Covestro is managed by a four-member board of management. Members of the Board chaired by CEO Patrick Thomas also include Frank H. Lutz (Finance, Labor Director), Dr. Klaus Schaefer (Production and Technology) and Dr. Markus Steilemann (Innovation).

www.covestro.com

Courtesv

**Farid Khatri** 98250 84134



**Juned Khatri** 98242 53106

Mfg. Og : P. P. & HDPE Woven Sacks Bag & Paper Bag

Dealing In : HDPE Crush

232/33, Vishnu Ind. Estate, Sayaji Market, Nr. Ajwa Chowkdi, N. H. No. 8, Vadodara - 19 Email : khatriplastic@yahoo.com

www.plasticudyog.com 12 AUG - SEPT-2015

#### KRAUSSMAFFEI AT THE FAKUMA: "PRODUCTIVITY PLUS" - THE SUCCESS FORMULA FOR INJECTION MOLDING





- Exhibition focusing on small and medium-size injection molding machines with clamping force up to 3000 kN
- High-gloss and surface effects with injection molding using Dynamic Mold Heating (DMH)
- Cleanroom-capable processing of liquid silicone rubber with the AX SilcoSet

Better injection molding productivity can often only be achieved with lots of small steps which add up to create a great effect. Under the exhibition motto "Productivity PLUS", KraussMaffei is exhibiting small and medium-sized injection molding machines at the Fakuma (Hall A7/Booth 7303), illustrating how intelligent plasticizing, control and automation solutions can improve productivity. The focus of the exhibition is applications using the new hydraulic CX series and the all-electric AX SilcoSet for processing liquid silicone rubber.

#### Conserving energy and resources

"Resources are limited and raw materials are becoming ever more expensive. That makes reducing the amount of energy, oil and material we use worthwhile in the long run. That is why, for example, the drive concept of the new CX has been energyoptimized, giving the machine an intelligent memory management system needing ten percent less power," explains Dr. Hans Ulrich Golz, Managing Director of KraussMaffei and President of the Injection Molding Machinery segment of the KraussMaffei Group. Further significant savings potential can be found in the new machine function APC (adaptive process control), which allows the injection molding machine to restart quickly and to process even difficult batches of material with high proportions of recycled materials into premium quality components. Further savings potential can be found in the excellent homogenization of the HPS screw, which enables, for example, the color master batch proportion to be reduced by up to 30 percent.

From matt to high-gloss

Exciting surface effects with laser and hologram look are being created at the Fakuma on a CX 160. This is made possible, for example by a dynamically inductive mold temperature control system (Dynamic Mold Heating – DMH) and with the tooling expertise of RocTool. The molds have special surfaces with different effects (matt, high-gloss, with punched holes), impressively demonstrating the design options for premium quality visible components. "DMH is an excellent example of production efficiency. There is no need for additional film technology," explains Jochen Mitzler, head of Strategic Product Management at KraussMaffei. Like all KraussMaffei exhibits, the CX 160 is equipped with the new, intuitively operated MC6 Multitouch control system, which enables all injection molding machines and automation components to be centrally controlled. With a 24-inch monitor, even complex processes can be executed with gestures and swipes. The SlideX guide track ground into the glass enables the operator to control the movements of the machine without having to look.

40 percent weight reduction with FiberForm

The FiberForm process developed by KraussMaffei combines injection molding with thermoforming of composite sheets to further improve the strength of fiber-reinforced plastics. As a result, the combination of lightweight materials and design in the construction enables new fiberreinforced thermoplastic components to be manufactured with particularly high strengths. At the Fakuma, a CX 300 is producing airbag housings in cycle times of 42 seconds. "The FiberForm process makes an important contribution to lightweight construction suitable for series production with thermoplastic fiber-reinforced plastics. Compared to conventional metal components, these represent a weight saving of around 40 percent," Mitzler explains. In this process, endless-fiber fabric or textiles impregnated with a thermoplastic matrix are heated, then shaped in the injection mold and finally overmolded. Like injection molding, the FiberForm process is easy to automate and can be used in fully automated production with compact manufacturing cells. The exhibit at the Fakuma is equipped with an LRX linear robot of the TwinZ version. The multiple kinematic system is compactly integrated into the standard housing. Partners for the exhibit include the companies Takata and Christian Karl Siebenwurst.

#### Silicone - a true all-rounder

Silicone is on the rise, in the form of liquid silicone rubber (LSR) or of solid silicone (HTV - High Temperature Vulcanizing). In particular medical technology and the automotive and leisure industries are increasingly interested in the outstanding physical and chemical properties of the material. At the Fakuma, KraussMaffei is demonstrating the production of a nasal ventilator made of liquid silicone rubber. The product runs on an allelectric AX with 500 kN clamping force in a four-piece mold. The SPX 10 sprue picker with extended function takes the parts, separates them and deposits them. The Elmet metering and mixing unit provides for optimum draining of residual fluids, ensuring that no material goes to waste. The AX SilcoSet is suitable for use in cleanrooms and is approved for medical use. All-electric AX series injection molding machines from KraussMaffei feature resource-efficient manufacturing with high repeatability. They earn a rating of Class 9+ on energy efficiency tests.

www.kraussmaffei.com

Courtesy

#### BENEFITS OF NEW LABELLING ACHIEVED IN JUST FIVE DAYS FOR MALTESE PRODUCER







A PROJECT FOR THE GENERAL SOFT DRINKS CO LTD (GSD) OF MALTA, THE COUNTRY'S SOLE LICENSED BOTTLER OF COCA-COLA PRODUCTS, HAS DEMONSTRATED THE CAPACITY TO ADD NEW TECHNOLOGY TO AN EXISTING LINE WITH MINIMUM DISRUPTION FOLLOWING THE INSTALLATION OF A NEW ROLLQUATTRO ROLLFED LABELLER IN ONLY FIVE DAYS.

The decision to acquire the new Rollquattro labelling machine from Sidel the world's leading global provider of PET solutions for liquid packaging was taken after GSD had considered the retrofitting of an existing rollfed labeller.

"With the high season about to start, we consulted Sidel - originally to have our existing Rollquattro rollfed labeller retrofitted with all the relevant upgrades," commented Brian Galea, Technical Manager at GSD. "Sidel undertook a careful evaluation of the whole situation on our behalf. When they presented the results of this thorough analysis and the comparable improvements we would likely be faced with by investing in the new machine, we quickly saw the value and sense of the option that they were suggesting, particularly when we realised the potential for installing it in such a short timeframe" he continued.

#### Staying competitive in a cost-driven market

Within the local bottled water market Malta effectively competes with neighbouring Italy, a country with an annual bottled water per capita consumption of 176 litres. Water volume sales for the whole of Italy - one of the largest producers of bottled water in the world - totalled 11 billion litres in 2014 according to reports by market analyst Euromonitor.

Italians and Maltese generally treat mineral water as an everyday drink, rather than a luxury item. However, the number of competing brands inevitably results in a fiercely tough marketplace where the price is driven low and great profitability is difficult to achieve. GSD is consequently run on measurable performance indicators that are regularly monitored to ensure every aspect of production is kept competitive and profitable. This naturally includes the performance of any labelling equipment involved in the process.

#### **Consulting with Sidel to improve TCO**

Rollquattro evolution label filmGSD first started working with Sidel in 2002 when it purchased its first Sidel line to produce water in both glass and PET bottles. In 2007 a second line was added, this time devoted to only the PET bottling of carbonated soft drinks in a new modern plant and the old line relocated. Both the original lines were moved and subsequently updated with a line conversion in 2012. Then, when the company decided to improve the efficiency and total cost of ownership (TCO) of the older line originally supplied 12 years earlier, the company naturally again turned to Sidel. The flexible line - used to produce still, sparkling and flavoured water in 0.5, 1.0 and 2.0 litre bottles in both glass and PET - is equipped with standalone equipment. This includes a single blow moulding machine with different fillers and labellers for each packaging material.

#### Set up to make installation fast and simple

The original PET labelling machine that had given seven years of such efficient and reliable service on the line was a Sidel Rollquattro labeller. Following the evaluation of the options, this was replaced by the

Courtesy

www.plasticudyog.com 14 AUG - SEPT-2015

#### BENEFITS OF NEW LABELLING ACHIEVED IN JUST FIVE DAYS FOR MALTESE PRODUCER

new labeller to provide even further benefits. Just like the previous machine, the new Rollquattro from Sidel is for the application of rollfed labels. GSDs' new labeller has the same overall dimensions as the old machine, with a potential output rate of up to 25,000 bottles per hour, and makes use of the same changeover parts. This in itself contributes to the reduction of the overall cost of the GSDD investment. The machine is fully tested by Sidel technicians before shipping to ensure it is simple to install in place of an existing machine, keeping stoppage time to an absolute minimum and reducing the impact on production. For GSD, the whole process, from

shipping to ensure it is simple to install in place of an existing machine, keeping stoppage time to an absolute minimum and reducing the impact on production. For GSD, the whole process, from dismantling the old labeller to the production of the first sellable bottles on the new Rollquattro, took only five days. "With the new machine fitted within a matter of days - and Customer Acceptance Validation reached in under three weeks as we had requested we were able to tackle production for our high season with even greater labelling efficiency. At the same time, we have optimised the TCO of labelling PET bottles on the line" commented Brian Galea.

#### Efficient and highly precise

Qualitative plastic labels are applied on all the different waters and formats by the new Rollquattro, supporting the market positioning of the brand Kristal water. The label transfer drum, glue and cutting modules of the new machine are designed to deliver high accuracy and quality time after time. The patented label transfer drum ensures high quality labels fit to bottles. The automated vacuum, with easy and programmable settings, increases label tension and stability control. The label application and overlap alignment are precise at every speed, even for shaped bottles, with no additional wipe-down system required for label overlap closure. Each of the four integrated single rotating cutting blades is highly durable and designed for up to 5,000 working hours. The glue roller's knurled pattern design leads to significant savings in glue and the roller unit ensures the adhesive remains in excellent condition and, with accuracy and simplicity, always achieves optimal application.

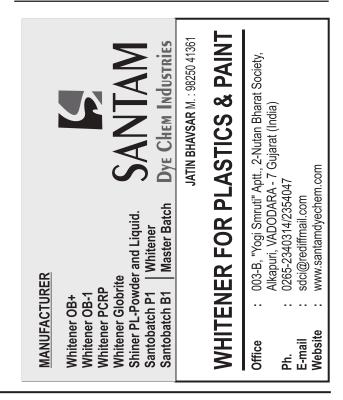
#### Flexible labelling solution and low maintenance

Brian Galea continues: "GSD production is changed roughly three times every day. So production flexibility in terms of changeover of materials, formats and labels, is essential to us. With a compact footprint, the new Rollquattro linear station design makes access to machine modules easy, thereby making changeovers in format faster. With adjustments for both bottle and label configurations made via the human machine interface (HMI), we now find that we can carry out changeovers within only thirty minutes."

The ergonomic linear design of the new Rollquattro provides control of all labelling processes and allows for simpler maintenance procedures. Modules can be removed from the station and worked on separately. Reduced wearing between the glue-vacuum-drum-cutter roller and the lack of lubrication decreases the need for maintenance. The glue tank, located under the machine base, can be easily and safely accessed by the operator and the vacuum prevents labels from entering the glue roller area to reduce the need for cleaning.

www.sidel.com

Courtesy



# **SUBSCRIPTION FORM**

Subscribe to the

Yes! Booking my subscription to Plastic Tomorrow (Rs. 75/- Cover Price)

ONE YEAR SUBSCRIPTION Just Rs.400 /Cover Price Rs.75/-



ONE & ONLY FIRST BI-LANGUAGE ENGLISH & GUJARATI

NAME :						
ADDRESS :						
CITY:	. PIN :	STATE :				
PHONE NO. :	MOBILE :	FAX :				
WEB:						
EMAIL :						
Cheque / DD No. :	Date :	Drawn on				
In favour of "Dj's Publication" is enclosed.						
Temple, Patel (M) +91 93273445	Colony, Vadodara -	Mill, Nr. Verai Mataji 390007, Gujarat, India. b : www.plasticudyog.com,				

# DJ'SPUBLICHTION Plastic Tomorrow

+ 91 9327 344 559, + 91 8264 233 414

E mail: plasticudyog@gmail.com

www.plasticudyog.com

Gujarat First Bi-Landuage English & Gujarati Magazine.

#### POLYMER BAZAAR: DAILY REPORT

11 September 2015



The Single Platform For Polymer's News & Business

E-mail:info@ polymerbazaar.com, <u>www.polymerbazaar.com</u> +91 079 2664 4357 , (M): +91 93745 24365 , +91 94260 14056 , Customer Care (M): +91 93746 24 365 , BBM pin: 7683e33d

#### Polymer Purchase Opinion:, wk 2nd Sept.15:

#### Ethvlene:

Spot Ethylene was moderately busy and prices declined; material for September delivery peeled off aouple cents, the losses came early in the week. Prompt Ethylene most recently changed hands at \$.23/ lb, just above the season's lows. Despite significantly reduced margins, several petrochemical firms made positive announcements concerning their fut development plans. Ethylene's forward curve has maintained its slight contango shape, prices are currently indicated to rise to nearly \$.25/lb by March 2016.

#### Poly Ethylene: International Bazaar:

The spot Polyethylene market was only lightly traded, generating a below average volume of transacted material. While offers were not always vocalized, there seems to be plenty of material available at a fair market price. Producers were very quick to announce their intention to lower contract prices for September, which should stimulate orders. While not all producers have yet nominated the \$.04/lb decrease, most/all will likely follow. Producers were proactive in August as dropping a quick \$.03/lb, but it was not enough and the decrease eventually became \$.05/lb. If the current \$.04/lb drop holds as is, contracts will be down net \$.13/lb for 2015, \$.20/lb in the last 10 months.

#### Propylene

The physical Propylene market saw mostly bids and offers, while financially settled PGP recorded the bulk of transactional volume. Market prices were mostly steady throughout the week, with prompt PGP still in the vicinity of \$.26/lb. The forward curve continues in contango, with a \$.025/lb premium peaking in June 2016. A ugust PGP contrac were priced at \$.33/lb, which was down \$.035/lb. Based on current spot values, another decrease of \$.035.04/lb could be justified for September. RGP eased a half cent to \$.15/lb.

#### Poly Propylene: International Bazaar:

Spot Polypropylene trades were few and far in-between and prices edged a penny higher this past week. Surplus material is generally hard to come by, and when available, it has usually been offgrade. Contract pricing remains below spot an with inadequate supplies still persisting, even contract buyers are willing to pay upeaded. Producers appeared adamant about enforcing the entire \$.05/lb increase (beyond the change in monomer) nominated for August PP, but when the dust settled, it seemed that only about a \$.02/lb margin increase held. So with PGP down \$.035/lb last movethage Prime PP prices declined about \$.015/lb- although results will vary.

#### <u>Indian Bazaar:</u>

Buying sentiments are much aggressive which is Influenced by increasing USD against INR. Controversy of scenario is crude is showing negative trend. Agaimdustry is much afraid of Unstable & uncertainty of Chinese economy. It is believed that still Current extremely weak market response will prompt China to devalue its currency again & such more may lead appreciation in USD along with currency war.

International offers are also expected to see nominal increment from last week backed by improved buying tone from China. Local producers will surely encash situation as imports will be costlier due to higher custom exchange rate. Ope bazaar observed strong buying response since industry was having limited inventory or operating at almost hand to mou Limited cargoes or imports prevails in open bazaar, hence traders/stickiest has already rise their selling offer. It seems improved buying tone & appreciated \$ will- Spare some space for local producers may increase polymer prices.

Purchase Opinion: Buying is suggested.

#### 榫 Market News:

- ✓ Today Indian Rupee opens higher at 66.34/dollar against Thursday's close at 66.43.
- ✓ Today Brent crude opens lower at \$ 48.84/ bbl.

#### **<u>Plant News:</u>**

- FPC to shut its Taiwan based VCM mfgr facility for maintenance works from 4th wk Oct'15 for 20 days.
- ✓ FPC to shut its Taiwan based EDC mfgr facility for maintenance works from 4th wk Oct'15 for 20 days.
- FPCC, Taiwan based Petchem mfgr, rose cracker run rates to 90% of capacity.
- ✓ MRPL has shuts its Phase III unites due to power failure.

www.plasticudyog.com 17 AUG - SEPT-2015

#### Crude Oil Scenario:

#### Crude oil prices dip as Saudi rejects producer summit.

Crude oil prices eased on Friday due to a strong dollar and Saudi Arabia's dismissal of a producer summit, putting prices on track for a small weekly fall despite a strong rally in the previous session. Saudi sees best to leave oil market alone at present; EIA data shows strong US gasoline demand.

Saudi Arabia believes a summit of oil producing countries' heads of states would fail to produce concrete action toward defending oil prices, sources familiar with the matter said on Thursday.

October Brent, the global oil benchmark, shed 16 cents to \$48.73 a barrel as of 0352 GMT after it settled up \$1.31, or 2.8%, on Thursday at \$48.89 a barrel.October US crude lost 29 cents to \$45.63 a barrel after it settled up \$1.77, or 4%, at \$45.92 a barrel.Oil prices rallied on Thursday after US Energy Information Administration (EIA) data showed demand for gasoline over the latest four-week period rose almost 4 percent on a year ago.

While crude inventories rose by 2.6 million barrels to 458 million barrels in the past week, compared with analysts' expectations for an increase of 933,000 barrels, crude stocks at the Cushing, Oklahoma, delivery hub fell by 897,000 barrels to 56.41 million barrels, EIA said.

Russia's energy minister expects cuts in global shale oil production to help stabilise the oil market. Alexander Novak also reaffirmed that Russia, one of the world's top oil producers, would not cut its own production.

The US labour market appeared to gain momentum as fewer Americans filed for weekly unemployment benefits, but weak inflation pressures may complicate the rate decision.

Monome r	Today	Yesterday	Diff
Naphtha (C and F Japan)	\$435	\$435	Stable
Propylene (CFR China)	\$700	\$710	-\$10
Ethylene (CFR SEA)	\$790	\$780	\$10
Styrene (CFR China)	\$960	\$950	\$10

#### **Latest International Polymer offers For Indian market:** (USD/mt.)

Grade (Application)	CIF Nhava Sheva:(\$/mt)			Trend	*Landing rate(NS,Mumbai)			Last week			
Poly Propylene:P.P	<u>\$</u>	<u>From</u>	-	<u>\$</u>	<u>To</u>	-	\$/R	s.Exchange	<u>rate</u>	66.85	Report \$
Raffia (Homo Polymer)	\$	1030	То	\$	1040	Up	Rs.	89928	To	90782	(+25)
Injection moulding , (Homo polymer,11 M.F.I.)	\$	1035	То	\$	1045	Up	Rs.	90355	To	91209	(+25)
Film (Tubular quench-T.Q.) , (Homo polymer)	\$	1060	То	\$	1070	Up	Rs.	92489	То	93343	(+25)
B.O.P.P.	\$	1060	To	\$	1070	Up	Rs.	92489	To	93343	(+25)
Impact Co-Polymer (LC.P or P.P.C.P.)	\$	1080	То	\$	1090	Up	Rs.	94197	To	95051	(+25)
Random Co-Polymer ,(R.C.P.)	\$	1090	То	\$	1100	Up	Rs.	95051	То	95904	(+25)
Grade (Application)	2	CIF Nhava	a She	va:(	<u>\$ /mt)</u>	Trend	<u>*L</u>	anding rate	(NS,N	<u>lumbai )</u>	Last week
High Density Poly Ethylene: H.D.P.E.	<u>\$</u>	<u>From</u>	_	<u>\$</u>	<u>To</u>	-	\$/R	.Exchange	<u>rate</u>	66.85	Report \$
Raffia	\$	1180	To	\$	1190	Up	Rs.	102734	To	103587	N/c
Film	\$	1165	To	\$	1175	Up	Rs.	101453	To	102307	(+10)
Injection moulding (18 M.F.L)	\$	1160	To	\$	1170	Up	Rs.	101026	To	101880	(+10)
	_	1150	То	\$	1160	Up	Rs.	100173	To	101026	(+30)
Blow moulding	\$	1150	10	Ψ	1100	· P					
Blow moulding HM Pipe (P.E80 )	\$	1180	То	\$	1190	Up	Rs.	102734	То	103587	(+30)
	,			_		_	Rs.	102734 103587	To To	103587 104441	(+30) (+30)

www.plasticudyog.com 18 AUG - SEPT-2015

Grade (Application)		CIF Nhava	a She	va:(	\$ /mt)	<u>Trend</u>	*L	anding rate	(NS,N	<u> Aumbai )</u>	Last week
Linear Low Density Poly Ethylene: L.L.D.P.E.	<u>\$</u>	<u>From</u>	_	<u>\$</u>	To	_	<u>\$/R</u>	s.Exchange	rate	66.85	Report \$
Film (1, M.F.L)	\$	1150	То	\$	1160	Up	Rs.	100173	То	101026	(+50)
Roto moulding	\$	1180	To	\$	1190	Up	Rs.	102734	To	103587	(+50)
Injection moulding (High M.F.I.)	\$	1205	То	\$	1215	Up	Rs.	104868	То	105721	(+50)
Lamination	\$	1220	To	\$	1230	Up	Rs.	106148	To	107002	(+50)
Grade (Application)	9	CIF Nhava	a She	va:(	<u>\$ /mt)</u>	<u>Trend</u>	<u>*L</u>	anding rate	(NS,N	<u> Mumbai )</u>	Last week
Low Density Poly Ethylene: L.D.P.E.	<u>\$</u>	<u>From</u>	_	<u>\$</u>	<u>To</u>	-	\$/R	s.Exchange	<u>rate</u>	66.85	Report \$
General Purpose / Film grade	\$	1190	to	\$	1200	Up	Rs.	103587	То	104441	(+10)
Heavy Duty	\$	1195	to	\$	1205	Up	Rs.	104014	То	104868	(+10)
Lamination / Extrusion	\$	1305	to	\$	1315	Up	Rs.	113405	То	114258	(+10)
Injection Moulding	\$	1255	to	\$	1265	Up	Rs.	109136	То	109990	(+10)
Milk Pouch	\$	1250	to	\$	1260	Up	Rs.	108709	То	109563	(+10)
Grade (Application)		CIF Nhava	a She	va: (	<u>\$ /mt)</u>	<u>Trend</u>	<u>*L</u>	anding rate	(NS,N	<u> Mumbai )</u>	Last week
Poly Vinyl Chloride :P.V.C.	<u>\$</u>	<u>From</u>	-	<u>\$</u>	<u>To</u>	-	<u>\$/R</u>	s.Exchange	<u>rate</u>	66.85	Report \$
Suspension (Pipe / Extrusion) ,'' K' Value 67	\$	845	to	\$	855	Up	Rs.	74135.50	То	74989.17	(+15)
Injection Moulding,"K" Value 57		865	to	\$	875	Up	Rs.	75842.84	То	76696.52	(+15)
Grade (Application)	2	CIF Nhava	a She	va:(	<u>\$ /mt)</u>	<u>Trend</u>	<u>*L</u>	anding rate	(NS,N	<u> Aumbai )</u>	Last week
Poly Styrene:P.S.	<u>\$</u>	From	-	<u>\$</u>	<u>To</u>	T -	\$/R	s.Exchange	rate	66.85	Report \$
GPPS	\$	1170	to	\$	1180	Up	Rs.	101880	То	102734	(+20)
HIPS	\$	1240	to	\$	1250	Up	Rs.	107856	То	108709	(-25)
Grade (Application)	(	CIF Nhava	a She	va:(	\$ /mt)	Trend	*L	anding rate	(NS,N	Aumbai )	Last week
A.B.S (Acrilonitrile Butadiene Styrene)	<u>\$</u>	From	_	<u>\$</u>	<u>To</u>	_	\$/R	s.Exchange	rate	66.85	Report \$
ABS	\$	1290	to	\$	1300	Down	Rs.	112124	To	112978	(-25)
Grade (Application)		CIF Nhava	a She	va:(	\$ /mt)	Trend	*L	anding rate	(NS,N	<u> Aumbai )</u>	Last week
E.V.A 18 %	<u>\$</u>	<u>From</u>	_	<u>\$</u>	<u>To</u>	_	\$/R	s.Exchange	rate	66.85	Report \$
E.V.A 18 %	\$	1300	to	\$	1310	Down	Rs.	112978	То	113831	(-40)
Grade (Application)		CIF Nhava	a She	va:(	\$ /mt)	Trend	<u>*L</u>	anding rate	(NS,N	<u> Aumbai )</u>	Last week
P.E.T.	<u>\$</u>	<u>From</u>	_	<u>\$</u>	<u>To</u>	_	\$/R	s.Exchange	rate	66.85	Report \$
P.E.T.	\$	925	to	\$	935	Down	Rs.	80965	To	81819	(+5)

- Note:

  1.) Care has been taken for Polymer rate & accuracy part is concerned. This rate gives a general idea & overview of International Rate of diff. polymers.
  There are chances of having rate difference depending upon Qty., Port, Make, Origin & Payment terms.
  2.) Data given here above has been collected from reliable sources & published in good faith only. We don't take any responsibility for the decision taken basis on any part of this report.
  3.) Calculation of imposed duty in respective polymer has been taken in general, pl. consider Anti-dumping duty to any sp.polymer, port or Origin make if it is applicable.

  [Rs/Kg]

#### **Today's Indian Domestic Polymer Price:** (Rs/Kg)

<u>Poly Propylene</u>	<u>Availability</u>	<u>Ahmadabad</u>	<u>Mumbai</u>	<u>De lhi</u>	<u>Bangalore</u>	<u>Che nnai</u>	<u>Indore</u>	<u>Kolkata</u>
H030SG (Raffia)	Available	92.00	91.00	92.50	93.75	94.25	93.00	93.00
H350FG (Lamination)	Shortage*	95.50	94.50	96.50	97.25	97.75	96.50	92.50
H100EY (Film)	Available	98.25	96.75	97.75	99.75	99.25	98.75	99.50
H110MA (Inj. Mldg)	Available	91.25	89.75	91.25	91.75	92.50	91.75	92.00
AM120N (Inj.mldg)	Available	90.75	89.25	90.75	92.25	92.25	91.25	91.50
110MG (Inj.Mldg)	Available	90.25	88.75	90.25	91.50	91.75	90.50	91.25
MI3530 (CP-Inj.mldg)	A vailable	96.50	95.25	95.75	98.00	98.50	97.25	97.25
R 120 MK(RCP)	Shortage*	103.25	101.75	103.25	104.50	104.75	103.75	104.50
RCP SRN 20 NC	Shortage*	103.50	102.25	104.00	105.00	105.75	104.25	105.00
H050 MN	Shortage*	96.50	95.50	97.25	98.50	99.50	97.50	98.50
<u>IOCL - PP</u>		<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	<u>Bangal ore</u>	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
H1110 MG	A vailable	90.50	89.00	89.50	91.75	92.00	91.00	91.00
PP IM-HMEL M 12 RR	Available	89.50	88.00	88.50	90.75	91.00	90.00	90.00
PP Film	Available	95.50	94.50	95.50	97.25	97.50	96.50	96.50
<u>H.D.P.E. Raffia</u>		<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	<u>Bangal ore</u>	<u>Chennai</u>	<u>Indore</u>	Kolkata
E 52009	Available	105.00	103.00	104.25	105.75	106.25	104.50	105.25
W 50A009 / W 52	A vaila ble	105.50	103.75	103.25	106.50	107.00	105.25	104.50

Т9	Available	105.25	103.50	103.75	106.25	106.75	105.00	105.25
H.D.P.E. Inj. M	<u>dg</u>	Ahmadabad	<u>Mumbai</u>	<u>Delhi</u>	<u>Bangalore</u>	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
50 MA 180	Available	104.50	103.00	103.50	105.50	105.75	104.50	105.50
M 5018L	Available	105.25	103.50	102.75	106.25	106.50	105.00	104.75
I 50 A 180	Available	105.25	103.25	102.50	105.75	106.25	104.50	104.00
180M50 ( IOCL)	Available	104.50	103.00	102.00	105.50	106.00	104.25	103.75
<u>H.D.P.E. H.M.(Fi</u>	<u>m)</u>	<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	<u>Bangalore</u>	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
003DF49 (IOCL)	Available	106.25	105.00	104.50	107.75	108.25	106.50	105.25
F 5400	Available	107.50	106.00	105.50	108.75	109.25	107.50	106.50
GAIL 55 (F55 HM)	Available	107.00	105.50	105.00	108.00	108.50	107.00	106.00
F46003	Available	102.50	101.50	102.25	104.00	104.75	103.00	103.25
H.D.P.E. BLOV	<u>V</u>	<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	<u>Bangalore</u>	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
B52	Available	106.00	105.00	104.50	107.75	108.25	107.00	105.50
012DB54 (IOCL)	Available	105.00	104.00	103.00	106.75	107.25	106.00	104.00
B 6401	Available	106.25	105.25	104.50	108.00	108.50	107.25	105.50
B56003/54GB	Available	106.00	104.00	105.00	106.75	107.25	106.25	105.50
<u>LLDPE FILM</u>		<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	<u>Bangalore</u>	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
LL F19010	Available	105.00	104.00	105.00	106.75	107.75	105.50	106.50
HPL 71601	Available	104.00	103.00	102.50	105.75	106.75	104.50	106.00
<u>LLDPE ROTO</u>		<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	Bangal ore	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
HPL 73204T	Available	108.00	107.00	107.75	109.75	110.25	108.50	N.A
36RA045	Available	109.00	108.00	108.75	110.75	111.25	109.50	110.00
L.L.D.P.E laminat	<u>ion</u>	<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	<u>Bangalore</u>	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
E24065	Shortage*	109.00	107.75	110.25	111.25	111.50	109.25	108.00
<u>L.D.P.E.</u>	1	<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	<u>Bangalore</u>	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
24 FS 040	Available	116.00	114.00	115.00	116.75	117.25	115.50	118.75
16 MA 400	Available	116.00	114.50	115.50	118.50	119.50	116.00	118.25
1070 LA 17	Shortage*	122.00	121.00	123.00	124.00	125.00	124.00	124.00
<u>LLDPE INJ.ML</u>	<u>DG</u>	<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	<u>Bangalore</u>	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
M26500	Shortage*	108.50	107.25	108.75	110.25	111.25	109.00	112.50
<u>PVC</u>		<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	<u>Bangalore</u>	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
K - 6701	Available	76.75	74.75	76.75	76.75	77.25	76.25	76.00
K - 5701	Available	79.25	77.25	79.25	79.25	80.25	78.75	77.00
Imported Mat.67 (K-Value)	Available	76.00	73.00	75.00	74.50	76.00	74.50	75.00
Poly Styrene:P.S		<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	<u>Bangalore</u>	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
GPPS	Available	99.75	98.75	99.75	101.25	102.00	100.25	100.75
HIPS	Available	102.50	101.50	102.50	104.00	104.75	103.00	103.50
<u>A.B.S</u>		<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	<u>Bangalore</u>	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
920 (Ineos)	Available	118.50	116.50	118.50	119.25	119.75	117.75	120.75
700 Coloured ABS	A vailable	145.50	143.50	144.50	146.25	146.75	144.75	146.75
<u>P E T</u>		<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	Bangalore	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
RELPET 5801	Available	78.00	76.75	78.00	79.50	80.00	78.25	79.00
	•	Impor	ted Mater	ial		•		-
LL Film (1 M.F.	<u>I)</u>	Ahmadabad	Mumbai	Delhi	<u>Bangalore</u>	Chennai	Indore	Kolkata
Imported LL	Available	103.00	101.00	102.00	103.00	103.75	102.50	110.00
-	Available	103.25	101.25	102.25	103.25	103.75	102.75	104.25
							ļ <del></del>	

HM film		<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	<u>Bangal ore</u>	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
	Available	104.50	103.00	103.75	105.75	106.25	104.50	104.75
Imported HM	Available	105.00	103.75	104.50	106.50	107.00	105.25	105.50
	Available	104.75	103.00	103.75	105.75	106.25	104.50	104.75
LDPE LAMI. (7 M	<u>.F.L)</u>	<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	<u>Bangalore</u>	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
Titan 801 YY	Available	120.00	119.00	120.00	123.00	122.25	120.50	120.50
Hanwa	Available	121.00	120.00	121.00	123.00	123.25	121.50	121.00
Engineering Mate	<u>rial</u>	<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	Bangal ore	<u>Chennai</u>	<u>Indore</u>	Kolkata
Nylon 6 (GSFC)	Available	205.50	204.25	204.50	207.00	207.50	205.50	206.00
Nylon 6 6 (GSFC)	Available	260.50	259.25	259.50	262.00	262.50	260.50	261.00
Nylon GF 30%	Available	180.50	179.25	179.50	182.00	182.50	180.50	181.00
Delrin	Available	102.50	101.25	102.75	104.00	104.50	102.50	104.25
Plain PBT	Available	160.50	159.25	159.50	162.00	162.50	160.50	161.00
Poly Curbonate-BAY	ER-PC	<u>Ahmadabad</u>	<u>Mumbai</u>	<u>Delhi</u>	Bangal ore	<u>Chennai</u>	<u>Indore</u>	<u>Kolkata</u>
2407 General Purpose	Available	180.00	178.75	179.00	181.50	182.00	180.25	180.50
2858 Medical grade	Available	225.00	223.75	224.00	226.50	227.00	225.25	224.50
S.A.N (Ineos) 2300	Available	120.50	119.25	122.25	122.00	122.50	120.75	123.75
EVA:	Available	119.50	116.50	117.50	119.50	119.75	118.50	118.00

#### ✓ As predicted Price revision wef 10/9/15.

- RIL kept PP,PE & PVC prices rolled over
- IOCL kept PP & PE prices rolled over
- MRPL increased PP prices by Rs.2.8/kg.

Company	Polymer	Polymer	Change	Rs/Mt	Approx (\$/M				
RIL	PP	Down	₹ 2,500	₹ 38.02	IOCL	PP	Down	₹ 1,000	\$15.21
	HDPE/LLDPE	Down	₹ 2,000	₹ 30.42		LLDPE/Other HDP	Down	₹ 2,000	\$30.42
	LDPE	Down	₹ 2,000	₹ 30.42		LBM	Down	₹ 3,500	\$53.23
	PVC Down ₹		₹ 2,000	2,000 ₹ 30.42					
	EVA	Down	₹ 2,000	₹ 30.42	GAIL	HDPE/LLDPE	Down	₹ 2,000	₹ 30.42

#### **About POLYMER BAZAAR:**

**POLYMER BAZAAR**- is a leading Indian information services provider for the Plastics & Polymers Industry. We offer all news alerts by SMS Alerts & E-mail Alerts along with web site access at most reasonable annual subscription.

We are committed to deliver up-to-date information of the highest possible quality enriched with accuracy and value to our readers. The contents are actively managed on a daily basis by our editorial staff from many international & local sources.

We offer premium business and research content in a unique combination with powerful databases and search tools for finding industry-related information. Plastics manufacturers, Polymer traders, importers & known leaders from & within the industry rely on the information services provided by your own "POLYMER BAZAAR" for your daily Purchase / Sale.



www.polymerbazaar.com, +91 9374524365

#### WINDSOR



# Windsor 5-Layer POD Line, an Empowered Solution for Affordable Excellence

A line that produces films with outstanding physical and performance attributes, with more metres/min that too with reduced polymer consumption; all inbuilt in India's first dedicated 5-layer Polyolefin Line — **The BARON 2500 infinity POD**.

much awaited news! Taking the word 'progress' to the next level, Windsor Machines has now launched India's first dedicated 5-layer Polyolefin Line BARON 2500. With BARON 2500 infinity, you can meet the most demanding specifications of the films

#### **WINDSOR**

even after down-gauging! POD is basically a non-barrier film with a thick core layer and thin skin layer along with medium intermediate layers. There is an increased possibility to optimise the functional property of each layer. And also have a higher output by using high melt strength polymers.

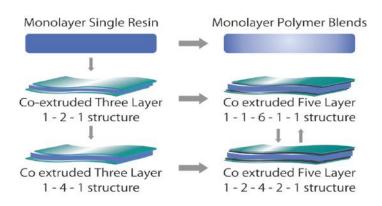
With 5-layers, not only does the output film get empowered to pass the most stringent regulatory standards (that too with a higher throughput), but also empowers you, the business owner, with a significantly higher ROI (it is a matter of getting more with less, be it machine time or for that matter resin consumption). With sustainability as expected on a big high, do we not all witness brand owners pushing to get as much from as little; so it's actually going green with BARON 2500 infinity.

Windsor has merged the concept of 'Maximiser' with the POD line. With the die and the single cooling ring appropriately designed, the user can enjoy all the benefits as would be expected - better film properties, higher puncture resistance an increased film output, a BUR of 1:5 and more. The Baron 2500 infinity POD can deliver an output of up to 550 kg/hr with the 250 mm die.

With a strong technology background and market understanding, Windsor committed itself to this challenge and is today successful in launching India's first 5-layer POD line at a significantly low cost-to-feature ratio! A figure that global companies may find it impossible to match.



#### **WINDSOR**



The film extrusion businesses will benefit significantly with this launch. With a 5-layer POD line, there is a noteworthy improvement in the impact strength and sealability of the film produced. This dedicated POD line will empower Windsor customers to be successful in local and global markets by producing shrink and lamination films with

unmatched quality and probably, at the lowest price. The coming months will see the commissioning of the  $\mathbf{1}^{\text{st}}$  Windsor 5-layer POD line, setting new standards as regards features-price-performance.

With the Government mandate of 'Make in India', Windsor with this pioneering initiative has on one hand made the 5-layer POD line far more affordable, opening new horizons of applications; and on the other, has saved the country valuable foreign exchange.

With the fast changing markets, with a locally available 5-layer POD line, Windsor has ensured that the Indian processors now have a very unique opportunity to upgrade at a minimal price and not be left behind in the global market place. For processors, greater flexibility, more bandwidth in product design and competitive advantage, all accrue. Local manufacturing will further lower delivery time, ensure prompt support and reduce the overall cost of ownership.

#### **ABOUT WINDSOR**

Windsor is a global plastics processing machinery manufacturer based in India. Windsor is one of the few domestic companies engaged in manufacturing injection moulding, pipe extrusion and blown film machineries under one roof. With quality products and latest technologies in its kitty, Windsor has constantly served varied needs of the plastics processing industry across 65 countries (an impressive installation base of over 17,000 machines). Highlights in the global arena include takeover of the Italian firm ITALTECH, long standing collaborations with KUNHE group (Germany), KUAG (Austria) and Switzerland. The company is duly recognised as a positive force in the industry.

VIKAS DEO, SR. MANAGER, SALES AND MARKETING, WINDSOR MACHINES LIMITED +91 9687068688, VIKAS.DEO@WINDSORMACHINES.COM 5402 - 5403, PHASE IV, GIDC IND. ESTATE, VATVA, AHMEDABAD, GUJARAT - 382445, INDIA.

# **MULTILAYER WATER TANKS**

New project :

Multi layer Water tanks



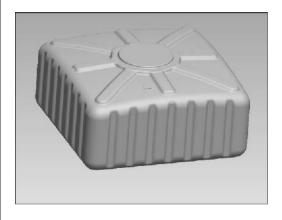
Why should we make them ?

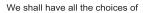
TO be a change agent in our Country we need to do something different and away from Traditional things

people do.

- So go away from the Roto -molding for making tanks and loo k at extrusion blow technology.
- Make Stronger Multi -layered tanks and much dependable as against R oto molded .
- MUCH better. Longer, maintenance free ( for outer and body parts )
- Can Use re -cycled plastic .
- Can make only one colored layer which can be thinner.
- The middle layer/s can be thicker using much of re -cycled plastic
- Vibrant and electric colors can be made.
- Making this needs only 3 to 4 labor.

We can choose the best possible Equipments for the machine such as if it is German designed. No compromises ever. And so the machinery and final quality of the product too can be like that from GERMANY, simple it is, no compromises .





- o Any Color
- Vertical or horizontal shapes
- o Any design
- Any Quality as the market may demand, this is important. The layer thickness can vary quality can vary and so on. The flexibility with the same machine and mold is, we can one shape and size.

, the material  $\,$  composition  $\,$  can vary , the color  $\,$ 

make many variants for the market demand for

0019 9624112091 / 9879552875 Kamal Shah : C 915, Siddhi Vinayak Towers, S G highway , Ahmedabad: 380054.

0086 13262973406 (China Unicom)

The author is a professional consultant, assisting to set up New and Lu crative projects.

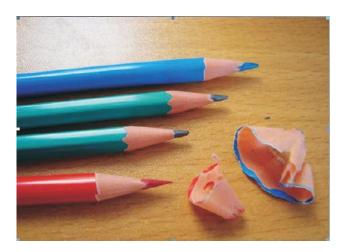
**AUG - SEPT-2015** www.plasticudyog.com 25

## Polymer Pencil Making



#### KAMAL SHAH

We try to present the items that are relatively new for INDIA, in particular the product presented vide this issue, have huge export potential. Invest one rupee in manufacturing and get three out at least post all expenses! Is that not nice enough?



Why make Polymer pencils?

- 1) Uses Re-cy cled Plastic.
- 2) This pencil making makes Printing absolutely obsolete. NOT NEEDED, Eliminating toxins.
- 3) Saves a lot of WOOD.
- 4) Low co st pencil making in fact.

Most important data: Pe ncil raw material cost: Rs 1 per Pc.

The conversion cost works out to be Rs 0.464 [ 100 HP co nnected load + Land + building +machineries + Interest on working capital cost + labor + Power + All Misc expenses ap portioned per pencil, No of days per year 312 and no of hours per day 20 as assumed ]

At this rate profit possibility as below.

Profit per year I f sold in INDIA	43142078	
Profit per year if exported		71222078

312 days, 20 Hours' operation.

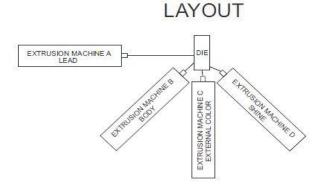
## Polymer Pencil Making

Investment in the project:

Investment in the project	
Machinery cost	18987150
Land+ Building assumed at	500000
Uti li tie s	400000
Total Rs. At 1 USD = Rs 65	2,79,87,150/-
Working capital provided for.	3348000

How is this made?

As against cumbersome process of Wooden pencil making, the polymer pencil is made simply through extrusion process as below.



NO necessarily Shining be applied always; but in case of needing to export to richer countries (in fact paying countries), need this shining. Meaning to say, we can avoid this additional extrusion process.

======= Why make in INDIA?

#### HUGE EXPORT POTENTIAL. Huge

INDIAN replacement market.
Few Players World Over and almost none in INDIA.
Option to wood pencil.
Stronger.

No risk of getting wet, no effect of water on it.

Nice color effects possible without printing.

Can be cheaper.

All the figures are indicative and can change on the date of discussions.

KAMAL SHAH positive@positiveaggression.in, <a href="mail@positiveaggression.in">mail@positiveaggression.in</a>, kamal@positiveaggression.in 0091 9879552875 / 0091 9624112091 0086 13262973406 (China Unicom)

The Author, based at Ahmedabad, is a Professional consultant assisting to set up Lucrative / new projects.

www.plasticudyog.com 27 AUG - SEPT-2015

## **NEW PROJECT**



આજકાલના સમયમાં જયારે અનેકાનેક ઉદ્યોગો અસ્તિત્વ ધરાવે છે. એનાથીયે ઉપર જયારે બજારમાં આવા ઉદ્યોગો ચલાવવા માટે અનેક લોકોની

મોટી ભીંડ છે, વિચારણાનો વિષય એ છે કે કઈ જાતના અને કેવા ધંધ શરૂ કરી શકાય ?

#### પ્લાસ્ટિક :-



પ્લાસ્ટિક એક એવી તકો આપે છે કે જેમાં ૧૫ થી ૨૦ ટકા ઉદ્યોગ નો વાર્ષિક વિકાસ થાય છે, જયારે બીજા અનેકાનેક ઉદ્યગો ને મંદી દોરી વળે છે.

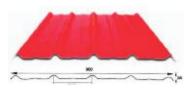
અનેક મટીરીયલ ની જગ્યા પ્લાસ્ટિકે લઈ લીધી છે. પ્લાસ્ટિકને લોખંડની જેમ કાટ લાગતો નથી. લાકડાની જેમ કહોવાતું નથી. વજનમાં હલકું છે અને સસ્તું પણ છે. એના ઉત્પાદન માટે ઓછી ઉર્જા લાગે છે. આસાનીથી રી-સાયકલ થાયછે. નાના માં નાના માણસો પણ પ્લાસ્કિટના ઘંઘામાં પડી શકે. સબસીડી-અનેક જાતની ચાલાકીઓ વાપરીને લોકો સરકારને મરખ બનાવીને પડાવી જાય છે. જય હિંદ.

#### હવે કામની વાતો કરીએ :-

પ્લાસ્ટિકમાં હવે કરવાં જેવા ઘંધાની વાત :-કાગળને પ્લાસ્ટિક લેમીનેટ કરો. પ્લાસ્ટિક લેમીનેટેડ કાગળ, પેપર કપ, મિઠાઈનાં ખોખાં, અને બીજા અનેક જાતના પેકેજીગ માટે જરૂર પડે. મશીનરી માં રોકણ રૂપિયા ૯૦ લાખ આશરે.



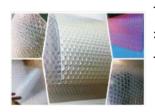
પ્લાસ્કિની પેન્સિલ બનાવો :-મશીનરી માં રોકાણ રૂપિયા બે કરોડ આશરે, મોટું ઉત્પાદન અને મોટો ધંધો, ખુબ મોટો નકો.



પ્લાસ્ટિકનાં રૂફીંગ શીટ બનાવો :-મશીનરીમાં રોકાણ આશરે રૂપિયા એક

કરોડ સાઈઠ લાખ સુધી. ખુબ મોટો ધંધો અને નફો.

પ્લાસ્ટિક એર બબલ ફિલ્મ :- ૨/૩ ૪/૫ લેચર



પેકેજીંગ ફિલ્મ. મશીનરીમાં રોકાણ આશરે રૂપિયા પચાસ લાખ.



પ્લાસ્ટિકની એક દિવાલ વાળી કોરુગેટેક પાઈપ બનાવો :-મશીનરીમાં રોકાણ રૂપિયા બાવીસ લાખથી



પ્લાસ્ટિકની સૂતળી-દોરી બનાવો :- મશીનરીમાં રોકાણ આશરે રૂપિયા એકવીસ લાખ.





प्लास्टिङनी लुप पीन जनायो :-भशीनरीमां

રોકાણ આશરે રૂપિયા ૩૦ લાખથી શરૂ.



પ્લાસ્ટિકની ઈજેક્ષન સીરીંજ :-ફક્ત રૂપિયા ૦.૮૫માં તૈયાર થતાં આ સીરીંજ રૂપિયા ૧.૧૫ માં વેચાય છે. મશીનરીમાં રોકાણ આશરે રૂરિયા બે કરોડ.

# **NEW PROJECT**



પ્લાસ્ટિકનાં ઈમેટિશન માર્બલ પ્રોફાઈલ :-મશીનરીમાં રોકાણ આશરે 3પિયા ૭૦ લાખ.



પ્લાસ્ટિકનાં ઈમીટેશન બોર્ડ :- મશીનરીમાં રોકાણ આશરે રૂપિયા ૧.૫૫કરોડ.



प्लास्टिडनी जी ओ पी पी टेप जनावो :-भशीनरी मां रोडाए। ३पिया २० साजथा शरू.



પ્લાસ્ટિકનાં પ્લાચવુડ જેવા બોર્ડ, મરીન પ્લાચ જેવાં બોર્ડ મશીનરીમાં રોકાણ આશરે રૂપિયા એક કરોટ સાઈઠ લાખથી આગળ.



પ્લાસ્ટિકનાં - (વુડ+પ્લાસ્ટિક) દરવાજાં અને બોર્ડ (ઉપર પ્રમાણેનાં) અને ફ્રેમ મશીનરીમાં રોકાણ આશરે રૂપિયા સવા ચાર કરોડ.

વુડ + પ્લાસ્ટિક નાં પ્રોફાઈલ્સ જેમાંથી અનેકાનેક વસ્તુઓ બની શકે.











મશીનરીના એકજ સેટ અપ અને થોડાઘણાં મોલ્ડ વસાવીને રૂપિયા આશરે પોણા બે કરોડ સુધીમાં આ ધંધો ચાલુ થઈ

શકે હજુ અંત નથી. બીજી ધણી તકો પ્લાસ્ટિક આપે છે.

કમલ શાહ, અમદાવાદ 9624112091 / 9879552875 mail@positiveaggression.in positive@positiveggression.in

લેખક, અમદાવાદ સ્થિત કંસલટંટ છે, જે નવા પ્રોજેક્ટ સ્થાપિત કરવા માટે સલાહ સૂચન આપે છે.



Bhadresh Shah +91 98980 28297 Jubin Shah +91 76989 88866 Virag Shah +91 98985 88779

# Pacolls Products

Manufacturer of Plastic Containers

Factory & Office

Any kind of Inj. Moulding work

Nr. Voltamp Transformers, Jambuva Road, Makarpura, Vadodara. 390 014. INDIA. Ph: (0265) 2655035\*Telex: (0265) 2640255.\*Customer Care Mobile: +91 76989 88877 e-mail: info@pacolls.com/pacolls1989@gmail.com . Visit Us At : www.pacolls.com

## **PVC BANNER MAKING BUSINESS**



The Fabric is imported in INDIA form CHINA, 20000 Tons of material PER MONTH is imported at Nahva Sh eva Port alone. AND : INDIA: ONLY 11 ma nufacturers Nation-wide so far.

In any country the Nation-wide Crores of meters of Banners are needed for and by



Any Automobile company

Any Cell phone Company and Service provider like Hutch, vodaphone, Idea.......

Any Cosmetic company

Any medicine / Pharmaceutical company

Any Soft Drink company

Any textile company

Any Adhesive company

Any Paint company

Any political Campaign

Any Film promotion campaign

Any Electronic / Household article campaign

Any Kitchen appliance Product Campaign

Any Namkeen / Sweet Pr oduct Campaign

Any GUTKHA company's campaign

ANY bank's Names and advertisements

Municipalities' campaigns on Clean City - green Cist

Government's Polio free Nation Campaign

AIDS prevention campaign

Any TV Channel campaign like latest COLOR channel's Nation-wide cam paign

Any plastic Company's Campaign

Any Airliner's Advertisements

Tooth paste and T ooth Brush companies

Any Health drink campaign like Horlics or Bourn vita

Any Chocolate company's Ad Campaign

Rice/ Food grains' advertisement campaigns

Builder's New S chemes ad campaigns

Solar and wind power campaign

Tea Companies

Tire and tubes.....

In Short all the companies need Banners for marketing products

www.plasticudyog.com 30 AUG - SEPT-2015

### **PVC BANNER MAKING BUSINESS**

ANY OUT DOOR ADVERTISING.

## MUCH OF USE IN All World-wide Exhibitions A Huge and Big Application

Welcome Banners

Sweet Shop banners

Jewelers' Banners

Xerox - Photocopy (Yellow printed) Banners

Tournament announcements,

World cups of Cricket/ football cam paign

Navrathri Utsav/ Onam Utsav/ ganesh Chaturthi Utsav and all such Big BHAKTI Utsav

Any Shop / Buisness esta blishment needs Banners

LED &Showroom Display

NOW Banners are used on SLUMS n place of Talpatri because Banners are leak proof.

FM Radio Advertisements

Lotteries and Schemes

Sheds and shelter Umbrellas are now made form FLEX.

Above all in INDIA Diwaloi and Holi and all such Festivals use I ot of banners for many occasions and Schemes' announcements from Traders and sellers.

In Gujarat vegetable vendors and smallest possible vendors ke ep Banners.

#### Present INDIAN FLEX market:

At present, Indian market is booming with 25–30% annual growth and is worth around Rs 500–600 crore.

Chinese flex has above 90% market share in India and Korean flex with just 5-7%, means Millions of meters are imported from CHINA which we can replace.

# BUT Government of INDIA has imposed Anti Dumping Duty for importing on this which is goods.

#### Why should we make this in INDIA?

1) Duties of overall (10 %+12 %+4 %) = 29.28% + Anti Dumping Duties + Shipment+ Insurance + Weight (Which is with the packing material weigh) + Inland transportation+

#### **PVC BANNER MAKING BUSINESS**

Interest on payments made for importing. + USD conversion cost paid + Lower quality because they supply substandard based on Lesser GSM than ordered.............

- 2) St arted uses directly as Talpatri, otherwise, woven sack + Both sides laminated is a costlier fabric compared to Flex Banner fabric.
- 3) Ea sily available Fabric for the looters and Thieves for their usage since banners are simply stolen from wherever they are at public places unless secured.
- 4) Can be m ade with 2<sup>nd</sup> grade Chinese PVC powder + CaCO3. We can easily manage to get this.
- 5) Indians also supply lesser GSM than ordered. This is supplied on per meter basis.
- 6) Above all, ever increasing demand for the product.

In India advertising industry is worth more than 3.5 billion US dollars annually with a growth rate of approximately 20% per annum.

THIS IS THE OPPORTUNITY TO MAKE A PRODUCT WHICH IS ALWAYS IN DEMAND AND NO RECESSION AT ALL.





Each and every advertisement applications / n otices / directions / sm all to big occ asions / Indian National Time-pass festivals like Politics and cricket......

Important figures: Investment in land + Building of About Rs. 1.75 C r, Machinery Rs 10 C r., Utilities and EB cost plus all mis c costs at about Rs. 1 Cr and Working C apital cost of about Rs. 1.5 Cr c an start this business. IN all about Rs 14.25 Cr. High production plant capacity of about 1 to 1.5 TPH depending upon what thickness is made.

And a banner made with Rs. 0.8 per square foot is sold at about Rs 1.75 to R 2.25 and a banner made with Rs 2.25 per Sq. Foot is sold at Rs 4 per Sq. Foot.

IN making nay banner fa bric, Lot depends on :

Thickness, Quality, Use of CaCO3, Use of In-Between Greed-Quality and cost....

Also this is man-made fabric and so subsidies be claimed.

All the figures are indicative and can change on the date of discussions.

KAMAL SHAH positive@positiveaggression.in, <u>mail@positiveaggression.in</u>, kamal@positiveaggression.in 0091 9879552875 / 0091 9624112091 0086 13262973406 (China Unicom)

The Author, based at Ahmedabad is a Professional consultant assisting to set up Lucrative / new projects.

www.plasticudyog.com 32 AUG - SEPT-2015

# 3rd Injection, Blow Molding & PET International Conference



The 3rd Injection, Blow Moulding & PET International Conference, brought by Elite Plus Business Services and CPMA ,was held at Mumbai on 20th and 21st August 2015. Like previous 2 IMBM conferences, this third edition was also a grand success and attracted over 540 attendees from 311 companiesrepresenting 11 countries.

In the Opening Session, Mr. Kamal P. Nanavaty welcomed all the delegates and briefly touched upon the major events of the year gone by. He was optimistic about opportunities available for plastic raw material and processing industry.

Like all other conferences, this time also key note speeches were delivered by eminent persons from the industry. Mr. Kazoo Takamura, Director & Executive Officer, Global Strategy Division of Toshiba Machine Co. Ltd. observed that Indian market for automotive industry is the highest in the world. Mr. R S Sodhi, Managing Director of Gujarat Co-operative Milk Marketing Federation (AMUL), a co-operative society of 3.5 million farmers, culmination of foresight of visionary like Sardar Vallabhai Patel, Shri Tribhovandas Patel and Varghese Kurian. Farmers are part of complete chain of "Cow to Customer".

Injection moulding subjects covered on day 1 were Latest Material Developments and Product Trends, Trends & Innovations in Injection Moulding, Trends & Innovations in Moulds& Hot runner Systems, Trends in Injection Moulding applications for Appliances, Material Handling, Supply Chainand Advances in Injection Moulding Operation.

Prominent speakers were Mr. Ajay Shah, President -

Polymers and crackers of Reliance Industries, Mr. Didier Chomier, Business Development & TechnicalDirector of Solvay, Ms. Bee Lin, Head of Asia Markets of ICIS, Mr. Wolfgang Roth, Manager Applications Engineering of Wittmann Battenfeld, Mr. Manish Sharma, National Sales Head of Fanuc India, Mr. Vishal Agarwal, President of Yudo Hot Runner India, Ms. Lyn Zhou, Marketing Director – Sales of Tederic, Mr. V Kannan, Managing Director of Mold - Masters Technologies, Mr. Rainer Armbruster, General Manager of Foboha (Germany) GmbH, Mr. A. Dayanand Reddy, Managing Director of Vasantha Tool Crafts, Mr. Ramaiah Muthusubramanian, Global Packaging Development Director – Laundry of Hindustan Unilever Limited, Mr. Kapil Sethi, Director - Global strategic Sourcing & Mr. Deepak Aggarwal, General Manager - Global Strategic Sourcing of Whirlpool Corporation, Mr. Sanjay Mishra, Senior

General Manager of The Supreme Industries Limited, Mr. Ravikiran Kombde, General Manager of Videocon Industries, Mr. Satish Subramanium, Global Head - Sales and Marketing of Cosmo Films, Mr. Alan Chen, Director -



International Sales of Shini Plastics Technologies, Mr. Vikas Swami, Vice President of KUKA Robotics India, Mr. Kiran Nataraj, CEO of Entrib Technologies

Evening talk was delivered by Mr. Radhakrishnan Pillai, Founder –

Director of Chanakya Institute of Public Leadership (CIPL) on "Chanakya Niti for Industries". His talk explained how Chanakya principles have been effective in the present day business notably the interlinking of strategies and leadership. According to him, leaders to possess Intelligence and spirit, Respect for elders, Trust in speech, not breaking promises, Gratefulness, desirefor training and easily approachable

This time the dinner speaker was Mr. Vivek Chaand Sehgal, Chairman of Samvardhana Motherson Groupwho startedthe company in 1975 from scratch and today is a 7 billion dollar company. Their vision is to make the company worth 26 billion dollars by 2020.

The second day of the conference was devoted to Blow molding and PET. The subjects covered included Innovations& Opportunities in PET Machinery for PET Packaging,Latest Innovations in Blow Molding,and Recent Developments in Packaging Technologies to meet Consumer Expectations

Prominent speakers on second day included Mr. Shankar Karnik, General Manager of ExxonMobil Lubricants Pvt. Ltd, Mr. Vimal Kedia, Managing Director of Manjushree

# 3rd Injection, Blow Molding & PET International Conference



Technopack Limited, Mr. Asim Parekh, Vice President – Technical of Coca - Cola India reviewed the future of PET in India for beverage industries and other related products. Mr. Amitabh Agrawal, Sr. General Manager - Sales & Marketing of ASB International Pvt. Ltd., Mr. Laurent Fournier, India Country Director and Managing Director along with Mr. Max Duclot, Zone Senior Aseptic Specialist & Senior Dairy Officer of Sidel, Mr. Dhruv Shah, Executive Director of Prasad Group of Companies, and Mr. Vishnu Jajoo, Executive Director of Shriji Polymers.

The Panel Discussion was on Economics, Safety, and Recyclability of PET Packaging India.

Other speakers included Mr. Andreas Lichtenauer; Managing Partner of Kautex Maschinembau GmbH briefly reviewed the blow moulding process in automotive industry. Mr. Utpal Sheth, Senior Director of IHS chemical reviewed the global polyolefin industry. He anticipates a healthy growth rate for polyolefin's industry in India and globally.

Ms. Aster Teo, Application marketing manager marketing Centre moulding of Borouge talked about caps and closures materials for packaging industry. Mr. Christian Muller, Managing Director of W. Muller GmbH describes the extrusion of blow moulding process and discussed the importance of partnerships and joint efforts. Mr. Celestino Spiga, Business Developer Manager of Magic Machines (Italy) briefly reviewed the new technology in blow moulding machinery. He explained the advantages of Hi-tech full electric blow moulding technology.

Mr. Vagish Dixit, Managing Director of Alpla India described various aspects of "Make in India". Mr. Vinay Agarwal, Chief Marketing Officer of Creative Group of Industries described various problems associated with the process of converting the new material into final products. Mr. Radha Mohan Gupta, Regional





Procurement Director - South Asia of Reckitt Benckiser reviewed the technological advances in blow moulding technology. Mr. Sunil Dhawan, Director of SSF Plastics & Mr. Viswanathan Kannan, CEO of SSF Plastpro reviewed the rigid plastics packaging systems. Mr. DahyalalPandya, Chief Executive Officer of Weener Empire Plastics reviewed the personal care product sector.

The highlight of the evening was when the lucky dip was announced for the Hyundai Car donated by Sh Vishal Agarwal, President, Yudo. The lucky winner was Sh. Vagish Dixit of Alpla.Sh Dixit spontaneously decided to offer the car at a discount of 10 pct and that he would donate the full price of the car to the Charity Round Table India Foundation in Coimbatore. This generous offer was immediately matched by Sh Vishal Agarwal President-Yudo. Sh Bharat Vyas, CEO of Plastivision17, who purchased the car will also send the cheque to the Charity. Total of Rs960,000 was collected from this very interesting befitting gesture. The two day conference thus ended on a very noble cause, making the Summit, a truly valuable experience.

www.plasticudyog.com 34 AUG - SEPT-2015



All India Plastic Industries Association (AIPIA) & Verifair to Organise P4 Expo India 2016 between April 5-7, 2016 at India Expo Mart, Greater Noida

New Delhi, August 24, 2015:

The Indian Petrochemicals and related industries - Plastics, Packaging and Printing - have registered record growth rates of over 20% in the past decade. Largest of the P4, Chemicals and Petrochemicals alone are industries expected to touch US\$ 200 billion turnover by 2020, while the other three are expected to see a growth of over US\$ 80 billion by 2020 - with the Packaging industry at US\$ 43.7 billion by 2016, printing industry touching US\$ 20.17 billion and plastic industry at US\$ 20 billion, by 2020, is making India an attractive market for the global investors.

Spurred by the prospects of participating in this growth story, global P4 giants are flocking to India for the Country's first ever integrated P4 exhibition and conference.

Organised by the apex body of the Indian plastics industry, All India Plastics Industries Association (AIPIA), in association with Dubai based trade fair organiser, Verifair, the inaugural edition of P4 EXPO 2016 will host country pavilions from China, Korea, Taiwan, EU, Iran, Turkey, Egypt, Saudi Arabia.

The show, to be held between April 5-7, 2016 at the India Expo Mart, Greater Noida, Delhi NCR, is the first of its kind bringing together the P4 industries - Petrochemical, Plastics, Printing and Packaging - under one roof. Indian Oil Propel has taken pole position as the premium partner for the event.

The Hon'ble Minister of State for Chemical and Fertilisers, Government of India, ShriHansrajGangaramAhirannounced the launch of the event.

P4 Expo India 2016 will bring together the entire value chain of Petrochemical, Plastics, Packaging and Printing industries together and throw open the best networking opportunities for exhibitors and visitors alike.

Mr. Ravi Aggarwal, President, All India Plastics Industries Association, said, "P4 Expo India 2016 will be a true win-win for all four sectors. P4 Expo India 2016 offers the best platform to showcase products, technology and innovations in all the sectors."

Commented Mr. S. Mitra, Executive Director – Petrochemicals, Indian Oil Corporation "We are happy to support this maiden venture to bring together the petrochem and related industries under one roof. Bringing all the four sectors under one roof is a great way to showcase the opportunities in each sector and for each sector to benefit from the growth of innovative technologies in the other sectors."

Verifair CEO Mr. Jeen Joshua added, "India is the natural choice for hosting an integrated P4 exhibition given the country's vibrant consumption-oriented domestic industry. With rising demands and more capacity addition in the pipeline, India is clearly emerging as hub for the P4 sector. By organising P4 Expo India 2016, we have taken the lead in giving our global clients a head start in the race for the emerging opportunities in India."

#### NOTES TO EDITORS:

Petrochemicals: Petrochemicalsisone of the fastest growing industries in India with a petroleum-refining

capacity of over 194 MTPA and gas cracker complexes with downstream facility producing plastics and polymers. The industry alone is expected to reach a turnover of over US\$ 100 billion by 2020. It is expected grow at a CAGR of 11% in the coming years. Demand in the last 5 years has been led by growth in polymers, fiber intermediates, synthetic fiber and elastomers. However, India continues to be a net importer of olefins as domestic capacity is low. Indian chemical and petrochemical industry put together currently stands at US\$ 144 billion and estimated to cross the US\$ 200 billion by 2020.

Plastics: Plastics consumption is likely to reach 200,000 tonnes by 2020. The country is poised become the 3rd largest consumer of polymers in the world, after US & China. The growth in Automotive, Construction, Electronics, Healthcare, Housing & Construction, Textiles and FMCG is driving growth in plastics. Indian plastics industry is poised for a substantial growth in investment in new technologies. Plastics consumption in India is growing at over 16% a year currently, whereas the growth in China is 10% and UK is 2.5%. India has more than 50,000 manufacturing units and has more than 40 lakh people working in the sector. Per capita consumption is between 6-8% and expected to increase in the coming years.

Packaging: Packaging in India growing at an annual growth rate of 12%, the country is set to become the 4th largest global market by 2016. Retail growth and increased consumption of consumer products is driving the demand for packaging in the country. The Indian food processing market is one of the largest in the world in terms of production, consumption and growth prospects. Demand for F&B packaging stands at around US\$ 13.2 billion and is expected grow at 10% a year and is a sunrise segment for investors. Demand is also growing in flexible, rigid and metallic food packaging that account for around 55% of the food packaging materials market as well as in printed cartons and rigid packaging. Government initiatives on FDI in multi-brand retail are a further catalyst for growth, specifically for packaging machinery and equipment businesses.

Printing: Printing is driven by the growth in print packaging and print publishing. In volume terms, India is set to become the 5th largest market by 2018 with rising demands from other countries. Great growth opportunities for print products are clustered around revenues from print packaging and print publishing. The market size of the package-printing sector is expected to make up 43% of total print product sales in 2017. There are 60,000 to 75,000 printing units in India. From the current turnover of US\$ 11 billion, it is expected to clock US\$ 20 billion by 2020.

#### About AIPIA

Incorporated in 1982, AIPIA is a leading Association of SSI and Medium Scale plastic processing units and related interests in the country. As of now Association has 525 Life Members with a total registration of 1566 spread all over the country. Right from its inception, AIPIA has been one of the more active Associations of plastic processing industry which has been alive to the various areas of problems/concerns of the industry with regard to government duties, policy of raw materials suppliers, etc. it has been actively following up with various agencies to obtain satisfactory resolution of industries multifarious problems.

#### About PROPEL

IndianOil, the leader in the downstream petroleum business, launched it's 'PROPEL" range of petrochemical products. India is amongst the fastest growing petrochemicals markets in the world. Taking this into consideration and to enhance its downstream integration, IndianOil is focusing on increasing its presence in the domestic petrochemicals sector besides the overseas markets through systematic expansion of customer base and innovative supply logistics. Petrochemicals have been identified as a prime driver of future growth by IndianOil. The Corporation is envisaging an investment of Rs 30,000 crore in the petrochemicals business in the next few years. These projects will utilise product streams from the existing refineries of IndianOil, thereby achieving better exploitation of the hydrocarbon value chain.

#### About VERIFAIR

A Dubai based multi-national trade fair company, established with the aim of assisting companies to choose the right platform to build and grow their business. 'Make the world home to the business community' was the motto when this group of likeminded people with a cumulative experience of more than six decades came together to form the company.

#### **Exhibition Detail.**

Name of The Exhibition	Place	Date of the Exhibition.
Kenya Plast	Narobi (Kenya)	10 to 12 June-2015
Plastic Vietnam-2015	SECC, Hechi Minherty Vietnam	23 to 25 July 2015-01-14
T.Plas (Plastic & Rubber)	BITEC Bangkok Thailand (W-tplas.com)	26to29 Aug2015
Gulf Plastic & Polymer Show	Abu-Dhabi National Exhibition Center.	8 to 10 Sept -2015
Iplex – 15	Bangalore	25 to 27 Sept-2015
Plasti World	Mumbai (Goregaon)	8 to 11 Oct -2015
Pro Pack	Dubai International Conven & Exhibition Center.	27 to 29 Oct- 2015
IndPlas	Science City Ground Kolkata	27 to 30 November 2015
Plast Eurasia	lstanbul-2015	3 to 6 Dec.2015
Plast Show	Vapi	4 to 6 Dec.2015
Oman Plast	Oman International Exhibition Center.	5 to 7 Jan-2016
Plexpo	Gandhinagar (Gujarat)	7 t0 11 January2016
Plastware Expo	Mumbai ( Goregan)	19 to 21 February2016
Plast Asia-2016	Pragati Maidian DELHI	4 t0 6 <sup>th</sup> March-2016

polymer price guide login www.plasticudyog.com Mob : 8264233414, 9327344559



# **Business Reply Form**

If you are not Listed in our Directory

Call us for our next Edition

# Send Details for Free Listing Form

Name of the Company	<b>!</b>	
Address:		
Phone : (0)	(M)	
Email:		
Website:		
Catagory: Mfg.:	Dist.: Retl.: Serv.:	
Business Detail :		

# **DJ's Publication**

303 / Sunsilk Apartment, B/h. Dinesh Mill, Nr. Veraimataji Temple, Vadodara - 390007 (Gujarat)

For more information about Advertisement <</p>

Call us on Ph.: +91 93273 44559 / +91 82642 33414

Email: plasticudyog@gmail.com www.plasticudyog.com

All right reserve to make what ever changes necessary besides reserving the sole to reject or refuse to list any information in whole or in part mentioned here in without assiging any reason whatsoever.

Subject to Vadodara Jurisdictions only

# Five Star Engineers



Single Die Extruder



Double Die Extruder

Jumbo Film Extruders for Liners & Garbage Bag



Two Layer with Optional Rotating Die



35mm MINI Extruder



#### Manufacturer and Expoter Of Plastic Blown Film Extruders

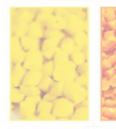
D-65/66, Sardar Industrial Estate, Road No.2, Ajwa Road, Vadodara - 390019, Guj. (India) Tel.: +91-265-2524666 • Telefax: +91-265-2523666 • Mob.: 9898087865 Website: www.fivestarfilmmachine.com, www.fivestarengineers.com

Email: fivestarengineer@hotmail.com, response@plasticextruderindia.com



Ph. (02676) 221575 / 221113 E-mail: reliable.jain.1@gmail.com

Chandu Bhai Jain: 9426250006 Ashok Bhai Jain: 9825083851











Mfg. of Spl. Filled Compounds & Master Batch For **All Kind of Plastic Filler Granules** 

C-1B, 505/6, G.I.D.C. Halol Distt. Panchmahal Gujarat Ph. Ph. (02676) 225868 E-mail: E-mail: reliable.jain.1@gmail.com



Manufacturer of Plastic Processing Machineries & Equipments.

#### **Our Product**

**Extrusion Coating Lamination Plant** 

LLDPE, HM-HDPE, LDPE Film Plant

**PP-TQ Film Plant** 

R-PVC / S-PVC Film Plant

**PP/HDPE Box Strapping Plants** 

**PP Sutli Plants** 

**Co-Extrusion Film Plants** 

**Quality & Efficiency** with latest Range of Our Products.





- Quality
  - Reliability Safety
- Reg.No.: RQ91/3888









**Extrusion Lamination Plant For Paper** 



**Extrusion Lamination Plant for Woven Sacks** 



**Extruder with Rotating Die** 



PP-TQ Film Plant





**PP/HDPE Box Strapping Plants** 

C-30, Udyognagar, Navsari - 396 445. Gujarat, India. Ph : 02637 - 257028, 656228 www.jailaxmienggnavsari.com email: jailaxminvs@yahoo.co.in



> PVC Resin > PVC Compound

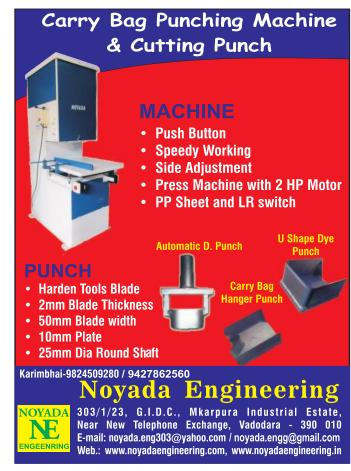
ETA Engineering Services, Ahmedabad, India

etaengineering@vsnl.net

sales@etamail.com

> Polymer Powders > Any Granular Material

Web www.vibroscreen.com







#### **Bharavi Champaneri**

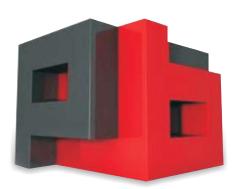
M +91 98795 62027 / 97129 02027



Factory: Plot No.726, Il Phase, New GIDC, Gundlav-396 035, Dist. Valsad, Gujarat, INDIA T +91 2632 237220 E info@macenz.com / b.macenz@rediffmail.com W macenz.com







# **POLYMER BAZAAR** Price | Prediction | Profit

**Trading of All Kind of Polymer** 

PP/HDPE/LLDPE/LDPE/PVC/PS/PET/EVA/PET & ABS

POLYMER BAZAAR- is a leading Indian information services provider for the Plastics & Polymers Industry. We offer all news alerts by SMS Alerts, Whats app Alerts, Android /IOS application & E-mail Alerts along with web site access at most reasonable annual subscription. We are committed to deliver up-to-date information of the highest possible quality enriched with accuracy and value to our readers.

The contents are actively managed on a daily basis by our editorial staff from many international & local sources. We offer premium business and research content in a unique combination with powerful databases and search tools for finding industry-related information. Plastics manufacturers ,Polymer traders,importers & known leaders from & within the industry rely on the information services provided by your own "POLYMER BAZAAR" for your daily Purchase / Sale.



#### Our Services

- Daily News Alerts
- Crude offers (\$ bbl)
- Naphtha offers (\$/mt)
- Feedstock offers (\$/mt) (Ethylene, Propylene, Styrene, VCM)
- ► International offers of Polymers (\$/mt)
- Polymers Future trend (PP, PE & PVC)
- Polymer Market Scenario
- ▶ Plant shut down & production



#### Different Ways to avail our Servies

- Website Access
- Android & IOS Application
- Auto Reply Email Alerts
- Auto Reply SMS Alerts
- Whatsaap Alerts
- SMS Alerts
- BBM Alerts



polymerbazaar.com



AND MUCH MORE ....

Scan QR Code

Get FREE Trial



The Single Platform for Polymer's News & Business



Samyak House, Opp. Arpan Flats, Nr. Shantivan Bus Stop, Narayan Nagar, Road, Paldi, Ahmedabad-380007,

Ph No.-079-26644357 Mo.: 9374524365

Customercare: +91 93 74 62 43 65/ BBM Pin-5580e7d9 Email:- info@polymerbazaar.com., www-polymerbazaar.com.,