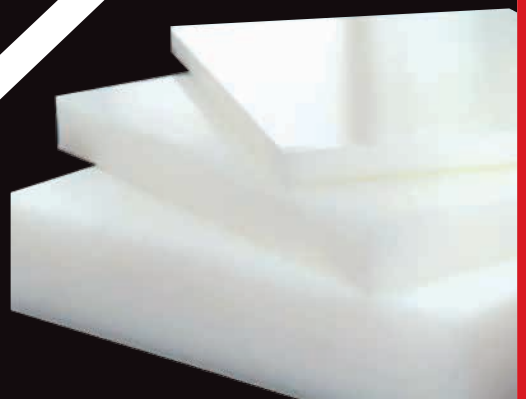




POLESTAR POLYMERS

An ISO 9001 : 2015 Certified Company



Manufacturers & Exporters of :
Plastic Rods, Sheets, Tubes, Profiles & Components

**POLYACETAL POLYPROPYLENE EXTRUDED NYLON HDPE
HMHDPE UHMWPE PTFE CAST NYLON PVC ABS PET PEEK**

ABOUT US

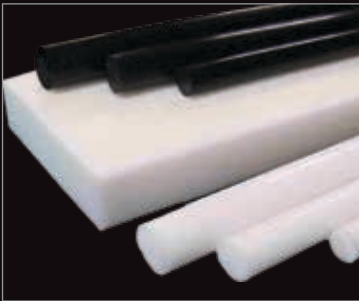
Based in Mumbai (Maharashtra) India, we are engaged in manufacturing of Semi Finished Plastics in the form of Rods, Sheets, Tubes and Components in Polyacetal / Delrin, Extruded Nylon, Polypropylene, HDPE & HMHDPE. In addition to these, we also offer UHMWPE, Cast Nylon, PTFE, PVC, ABS, PET, PEEK, PVDF etc.

These products are superior in quality & find applications in most of the industries for making components such as Gears, Pulleys, Bushes, Sprockets, Seals, Valves, Tank linings, Wear strips & various other machine parts. The products are offered in different sizes and specifications.

Being a client centric organization, our sole motive is to provide optimum quality Engineering products to our clients ensuring customer satisfaction. As we are an ISO 9001 : 2008 certified company, apart from offering our quality range of products, our consignments are delivered within the stipulated time period.

With the passing years, we have expanded our market base not only in India but globally.

POLESTAR[®] POLYACETAL / DELRIN :



POLESTAR[®] POLYACETAL (POM) Rods and Sheets offer a unique combination of properties not available with metals or other plastics. They are highly crystalline thermoplastics, characterised by high tensile strength, stiffness, low coefficient of friction and excellent dimensional stability.

APPLICATIONS : Used for Gears, Bushes, Sprockets, Pulleys, Conveyor Chains, Rollers, Washers, Seals, Engineering Components for Appliance, Electronic, Automotive, etc.

RODS : 4mm to 300mm dia

SHEETS : 1mm to 100mm thk

SQUARES : 20mm x 20mm to 100mm x 100mm

POLESTAR[®] POLYPROPYLENE :



POLESTAR[®] POLYPROPYLENE Rods and Sheets have good impact strength & good balance of chemical & electrical resistance. They are light in weight, resistant to staining and have a low moisture absorption rate.

APPLICATIONS : Used for Impellers in chemical pumps, Flanges in chemical lines, Pulleys, and various machine parts, Linings, Pickling Tanks etc.

RODS : 12mm to 300mm dia (PPHP & PPCP)

SHEETS : 1mm to 100mm thk

POLESTAR[®] NYLON (EXTRUDED / CAST) :



POLESTAR[®] NYLON Rods & Sheets are manufactured by the Extrusion Technique as well as Casting. The casting process upgrades extruded Nylon with lower moisture absorption and improved strength.

APPLICATIONS : Used in Bearings, Cams, Washers, Gears, Grommets, Spindles, Nuts & Bolts, Pulleys, Bushing, Rollers, Gaskets, Extrusion Screws etc.

RODS : EXTRUDED - 3mm to 200mm dia , **CAST -** 20mm to 400mm dia.

SHEETS : EXTRUDED - 8mm to 100mm thk, **CAST -** 6mm to 150mm thk

TUBES : CAST - 50mm to 300mm OD / 20mm to 260mm ID

POLESTAR[®] HDPE / HMHDPE / UHMWPE :

POLESTAR[®] PE comprises of HDPE, HMHDPE & UHMWPE Rods, Sheets and Profiles. These exhibit the properties of excellent impact strength, abrasion resistance, low coefficient of friction.

APPLICATIONS : Conveyors, Chutes, Paper Industries, Packaging Industries etc.

RODS : HDPE & HMHDPE - 25mm to 150mm dia
UHMWPE - 10mm to 200mm dia

SHEETS : HDPE - 1mm to 100mm thk
UHMWPE - 6mm to 100mm thk



POLESTAR[®] PTFE :

POLESTAR[®] PTFE Rods, Sheets, Tubes and Balls exhibit astonishing chemical resistance. This self-lubricating material provides a low coefficient of friction and excellent operating temperature.

APPLICATIONS : Ball Valves, Metering Pumps, Insulation, Gaskets, Seals etc.

RODS : 8mm to 300mm dia

SHEETS : 0.5mm to 100mm thk

TUBES : 20mm to 250mm OD / 10mm to 200mm ID

BALLS : 6mm to 150mm dia



POLESTAR[®] PVC:

POLESTAR[®] PVC Rods & Sheets offer excellent corrosion and weather resistance. This product can be easily welded & suitable for tanks & fittings.

APPLICATIONS : Chemical Processing Tanks & fittings, Gaskets etc.

RODS : 3mm to 250mm dia

SHEETS : Rigid (Grey) 1mm to 30mm thk,
Flexible (Yellow, Clear, Grey) – 1mm to 8mm thk



POLESTAR[®] PEEK :

POLESTAR[®] PEEK products can be used continuously upto 480°F (250°C) and in hot water or steam without permanent loss in physical properties. PEEK is high strength alternative to fluoropolymers.

APPLICATIONS : Bushes, Valves, Gears, Insulating Materials etc.

RODS : 6mm to 100mm dia

SHEETS : 2mm to 25mm thk

TUBES : 40mm to 100mm OD / 20mm to 80mm ID



POLESTAR[®] PET:



POLESTAR[®] PET (PET-P) Rods & Sheets are a good choice for close tolerance parts. They have excellent wear resistance, a low coefficient of friction and high strength. All the products are FDA complaint.

APPLICATIONS : Food Industry, Sliding elements, Bushes, other FDA compliant applications etc.

RODS : 10mm to 150mm dia

SHEETS : 6mm to 50mm thk

POLESTAR[®] ABS :



POLESTAR[®] ABS Rods & Sheets are the perfect material for structural applications when impact strength and stiffness are required. They have an excellent combination of toughness & rigidity. They are widely used for machining pre-production prototypes since they have excellent dimensional stability and is easy to paint and glue.

APPLICATIONS : Automotive industry for interior & exterior, Home Appliances, Prototype models, Machine parts, Rollers etc.

RODS : 12mm to 200mm dia

SHEETS : 2mm to 100mm thk

OTHER PRODUCTS

At **POLESTAR[®]** Rods, Sheets, Tubes, & Components can be also offered from the following polymers :
• PVDF • CPVC • UPVC • PEEK filled grades • PPS • NYLON 66 / Filled Grades • PU • PEI etc.

We also have the capability to manufacture PP / HDPE / PVC Welded Tanks, Storage Boxes etc.



An ISO 9001 : 2015 Certified Company

**ANY PRECISION COMPONENT
(as per drawing) IS ALSO POSSIBLE
IN ANY OF THE POLYMERS WHICH
ARE MENTIONED IN OUR CATALOGUE**

POLESTAR POLYMERS

4, 5, 6, A Wing, Meghdoot Indl. Estate, HDIL Industrial Park,
Virar (East), District Palghar - 401305, Maharashtra, India.

Tel : +91 7798266778, +91 7517771196

+91 7507529482, +91 9168514741

Email : sales@polestarpolymers.com

info@polestarpolymers.com

polestarpolymers@hotmail.com

Web : www.polestarpolymers.com