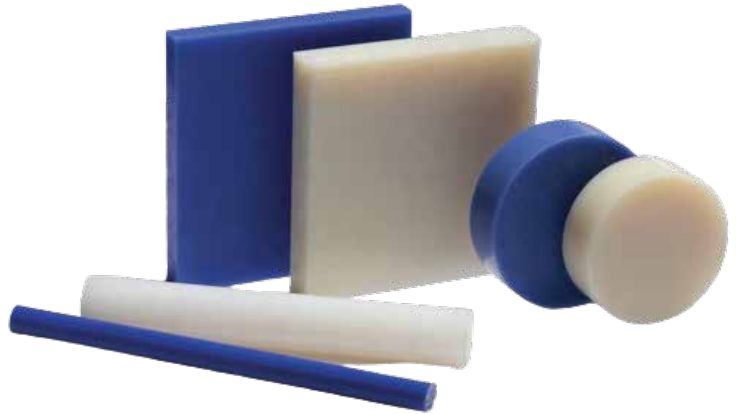


Nylon

High strength, toughness, and abrasion resistance combine to make nylon rods, bushings, profiles, and machinery parts unique. Due to the fact that they are produced using the extrusion technique and have great physical and mechanical capabilities, our products can replace metals in a variety of engineering applications. Some of their outstanding qualities include the following. :

- Reduction in weight
- Self-lubricating economy
- Shock resistance
- Improved dimensional stability
- Vibration damping performance
- High wear and abrasion resistance
- Noise reduction
- High service temperature
- High tensile and compressive Strengths
- Machining



Cast Nylon

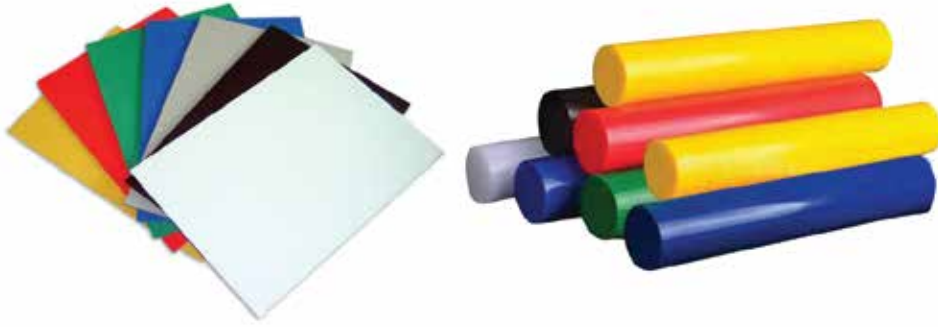
Cast Nylon, a universally accepted industrial thermoplastic is known for its outstanding range of physical properties. These properties, coupled with a wide variety of stock shape availability, make cast nylon a cost- effective alternative to conventional materials.

Cast nylon is common in many demanding applications requiring any combination of high load bearing capacity, low coefficient of friction, and good environmental and chemical resistance.



Polypropylene

Polypropylene(PP) Products that are available in many different shapes and sizes which includes cylindrical rod, squared and rectangular sheets that can be customized according to customer demands. They are highly pure in nature with a purity up to 99 percent that make them free from toxins and other impurities. The offered Polypropylene(PP) Products are commonly used for the making of machine parts, furniture, architectural elements and various other items. They are available in different colors and shades as per clients demand. Polypropylene(PP) is available from Classic Polymers & Resins in standard shapes including Rods, Tubes, and Sheets as well as in custom-made components.



Application

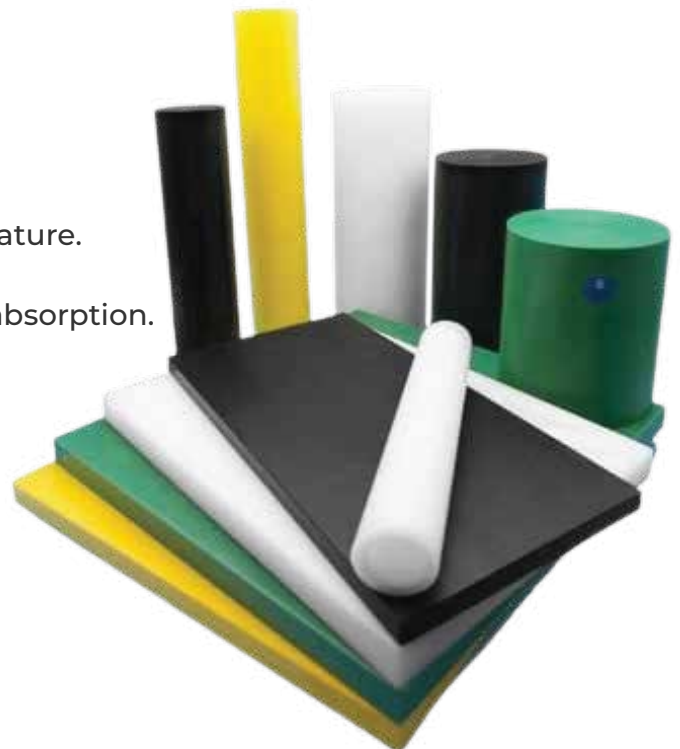
Acid tank & vessel linings
Cutting boards
Component carrier for storage racks
Etching machines & rinse tubs
Fans
Flange
Fume hoods & ducts
Metal plating Barrels
Orthopedic equipments

UHMWPE

UHMW Product are plastic components that are made up by using premium class ultra high molecular weight polyethylene which results in high strength to weight ratio. They are fabricated by using advanced production technologies that make them highly accurate in dimensions and free from any manufacturing flaws. Different shapes and sizes of such UHMW Product availed by us according to customer demands. These substances are capable to resist high temperature up to 452 degrees Celsius that make them capable to withstand harsh industrial conditions which results in longer service life. They are highly suitable for protection against corrosion, humidity and outdoor weather conditions.

Features

- Density 0.94 gm/cm .
- High Molecular weight above 4 Million.
- High impact Resistance and flexural strength.
- Lighter than water-unique Engineering Plastic.
- Good resistance at high as well low (-2690C) temperature.
- Non-sticking to foreign material.
- Excellent chemical resistance and almost no water absorption.
- Free from taste and odour hygienic.
- Fine electrical properties.
- Easily machinable.
- No atmospheric effect.
- Excellent abrasion resista



PTFE PRODUCTS

We are offering best in class PTFE Products that can be used in various industrial applications to make tubing, gasket lining, sealing or adhesive tape and various other items. Top quality poly tetra flouro ethylene is used for the making of these components that are available in rod, pipe, rope and many different shapes and sizes as per customer requirements. PTFE Products availed by us requires very less maintenance as they are capable to withstand harsh industrial conditions which includes chemical attacks, high temperature, pressure and impact forces. Get these highly finished products from our company in large quantities as per your needs with fast and secure shipping.

Due to its distinct qualities, PTFE is utilised in a wide range of applications. In truth, PTFE is probably present in the homes of the general population under the trade name Teflon, of which many are familiar.

Heat resistance

Water-resistant

Chemically inert

Non-stick

High flexibility



Carbon Filled PTFE



Glass Filled PTFE



Tailormade PTFE



Polyurethanes (PU)

Polyurethanes can be used in situations where there is sliding, bearing, stripping, shaping, dampening, cushioning, resting, or rolling. Choosing the right grades is crucial for peak performance, superior outcomes, and longer life. These can be created by combining and permuting specific chemicals and additions. There are countless running uses for cast polyurethanes. and a sizable replacement industry is just waiting to get going.

Cost effective

Dependable

Elastomers combining the performance advantages of engineering plastics, ceramics and metals

Resilience and flexible as rubber

High life expectancy

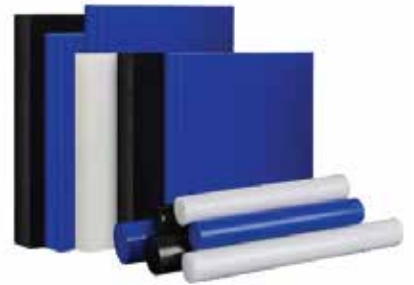


POM (Derlin)

Among all thermoplastics, polyacetal sheets, plates, and rods are among the strongest and stiffest. High resistance to solvents and chemicals, low moisture sensitivity, and good fatigue life are all characteristics of polyacetal and Delrin plastic materials. Products made of polyacetal also have outstanding electrical characteristics. There are homo-polymer and copolymer grades of polyacetal available, as well as a material with improved bearing grade.

A semi-crystalline engineering plastic called polyacetal (POM) is useful for engineering applications and is suitable for CNC machining.

- High mechanical strength
- Excellent resilience
- Good creep resilience
- High impact strength, even at low temperatures
- Very good dimensional stability
- Good sliding properties and wear resistance
- Excellent machinability
- Physiologically inert (most grades are suitable for food contact)



HDPE - PE

We are leading supplier of HDPE Sheet which is highly demanding and popular due to its high strength to weight ratio that makes it suitable for the manufacturing of heavy duty industrial and constructional components. It is widely used in engineering application as it is capable to withstand high temperature and corrosive chemicals. The offered HDPE Sheet is available in various different sizes and shapes that can be customized according to customer demands.

- Meets FDA/USDA food handling guidelines (Natural white color)
- Light-weight
- Non-Toxic
- Chemical and corrosion resistant
- Low moisture absorption
- High tensile strength
- Excellent impact resistance



PEEK



Grey Brown POLY ETHER ETHER KETONE [PEEK] 'HPM' PEEK is a High Performance Engineering Thermoplastic that is advised for use in applications requiring high temperatures between +250°C and +310°C. High mechanical strength, stiffness, and hardness, as well as good creep resistance and dimensional stability, are all features of the material. It offers remarkable resistance to high energy radiation and has good dielectrical and electrical properties.

Our Products



Hylam Rod & Sheet



PVC Rod & Sheet



PU Roller



Hypalon Rubber Roller



Silicon Rubber Roller



Rubber Roller



Conveyor Roller



Sleeper Pad



UHMWPE Chain Guide



Caster Wheels



Acrylic Sheet



Soft PU



Custom Machine Component

Classification of Plastics

