



INVENTRO POLYMERS

ABILITY TO DEFINE

MANUFACTURER & EXPORTER OF: RUBBER, P.T.F.E (TEFLON) & ENGINEERING PLASTIC ITEMS

Nylon®

Nylon's toughness, low coefficient of friction and good abrasion resistance make it an ideal replacement for a wide variety of materials from metal to rubber - it weighs only 1/7th as much as bronze.

Using nylon reduces lubrication requirements, eliminates galling, corrosion and pilferage — problems, and improves wear resistance and sound dampening characteristics. Nylon has a proven record of outstanding service in a multitude of parts for such diverse fields as paper, textiles, electronics, construction, mining, metalworking, aircraft, food and material handling.

Main properties of our range of Nylon sheet, rod and tube are:

- High mechanical strength, stiffness, hardness and toughness
- Good fatigue resistance
- High mechanical damping ability
- Good sliding properties
- Excellent wear resistance
- Good electrical insulating properties
- High resistance against high energy radiation
- Good machinability

Choose material grade

The following grades of nylon are available to buy online - please select from:



Nylon 6

Our general purpose grade for thick sheet and large diameter rod - unmodified cast nylon 6 grade exhibits characteristics which come very close to those of nylon 66. It combines high strength, stiffness and hardness with good creep and wear resistance, heat ageing properties and machinability. Thin sheet is extruded nylon 6.

Available colours:

Natural (ivory) & Black

Nylon 6 / 6

Nylon 66 is an extruded nylon that has high mechanical strength, stiffness, heat and wear resistance, and also has good creep resistance - but its impact strength and mechanical damping ability are reduced. Well suited for machining on automatic lathes.

Available colours:

Natural (cream) & Black

Glass Filled Nylon

Compared with virgin nylon 66, this 30% glass fiber reinforced and heat stabilized grade of nylon 66 offers increased strength, stiffness, creep resistance and dimensional stability whilst retaining an excellent wear resistance. It also allows higher maximum service temperatures.

Available colours:

Black , Blue, Natural, Etc.

Oil Filled Nylon

This internally lubricated cast nylon 6 is self-lubricating in the real meaning of the word. Cur oil-filled nylon is especially developed for unlubricated, highly loaded and slowly moving parts applications, and yields a considerable enlargement of the application possibilities of nylons. This is because of its reduced coefficient of friction (up to -50 %) and improved wear resistance (up to x10).

Available colours: Yellow

Available sizes:

Sheet: 0.5mm to 100mm thick : Rod: 50mm to 500mm diameter :

Tube: various OD x ID - including large diameter

Custom parts by injection Moulding can also be made.

REG OFFICE: A-701, Jeevan Saukhya, M.G X Rd No. 2, Bh. BMC Office, Kandivali -W, Mumbai- 400067, India.

FACTORY (RUBBER DIV.) Kandivali-E, Mumbai-101

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Delrin®

Acetal Rod • Thermoplastic Polymer

Acetal Rod is a tough stable thermoplastic offering a unique combination of properties. Excellent resistance to moisture, gasoline, solvents, and many other neutral chemicals.

- High Mechanical Strength And Rigidity
- High Modulus Of Elasticity
- High Natural Lubricity
- Excellent Dimensional Stability
- Low Moisture Absorption
- Good Abrasion Resistance



Great for bearings, gears, pulleys, fuel system and anti-friction parts, electrical components, and more. Natural color.

Maximum Working Temperature (F/C): 200f/93.33c

Chemical Resistant To:

Salts, Aliphatic & Aromatic Hydrocarbons, Alcohols, Esters, Ethers & Ketones Solvents: Epoxy & Polyester-Isocyanate

Specific Gravity : 1.41

This Item Also Available In: Sheet, Rod, Shapes & Glass Filled.

PEEK®

PEEK grades offer chemical and hydrolysis resistance similar to PPS, can operate at higher temperatures. PEEK 1000 offers steam and wear resistance, while carbon-reinforced PEEK provides excellent wear capabilities. Our latest grade, PEEK HPV, offers outstanding bearing performance. PEEK can be used continuously to 480°F (250°C) and in hot water or steam without permanent loss in physical properties. For hostile environments, PEEK is a high strength alternative to fluoropolymers. PEEK carries a V-O flammability rating and exhibits very low smoke and toxic gas emission when exposed to flame.



PEEK 450G

This general purpose grade is unreinforced and offers the highest elongation and toughness of PEEK grades. The newly available black PEEK is ideal for instrument components where aesthetics are important, as well as for seal components where ductility and inertness are important.

PEEK GF30 (30% Glass- Reinforced)

The addition of glass fibers significantly reduces the expansion rate and increases the flexural modulus of PEEK. This grade is ideal for structural applications that require improved strength, stiffness or stability, especially at temperatures above 300°F (150°C).

Available in:

Sheet, Rod, Tube, Micro tubing IMPORTED & Machined components.

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