



# AVICOS MIDDLE EAST PLASTIC TRADING LLC

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## PTFE (TEFLON) MACHINED COMPONENTS SHEETS & RODS

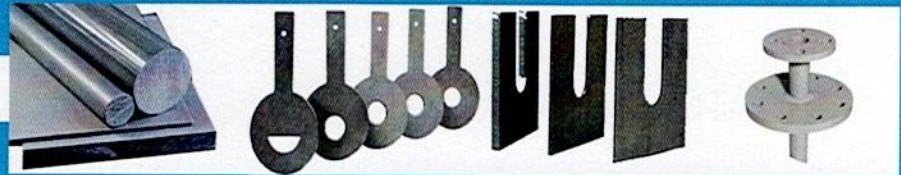
PTFE has a wide range of practicable temperature from  $-180^{\circ}\text{C}$  -  $+260^{\circ}\text{C}$  and a wax-like surface to which anything hardly plastics. PTFE has the lowest coefficient of friction of all known solid materials. It has the best electrical properties of all plastics. PTFE machined components such as valves seat rings, roof packing, seal cover, plug valves sleeve, wedge rings, 'O' rings, piston rings, washers, bearings, balls, bushings, insulators, pipe joints, guides, breaks, piston rings, rider rings, hydraulic earth mover seals etc., and all types of components for non-lubricates compressors or any PTFE components as per customer's sample, specification and drawing.



## NYLON PA6 SHEET, RODS, PARTS

The Polyamides, commonly referred to as nylon and available in Sheet, Rod, Tube and Parts. The most common engineering nylons are PA6, PA66, Oil Nylon. Nylon stock shapes are produced by either extrusion or casting. The process is in part a determinant of the nylon properties of the end product.

## PVC SHEETS, RODS, PARTS



Polyvinyl Chloride sheets and rods, is a flame retardant, chemical stability, low rifting forces produced only a non-crystalline material, is the most widely used plastic materials. While its material properties including high strength, high stiffness and high hardness, operating temperature range from minus 15 degrees to 60 degrees, bonding, can be welded



## ACRYLIC SHEETS, RODS, PARTS

Acrylic, also known as Poly(methyl methacrylate) or acrylic glass, is a transparent thermoplastic generally used in sheet form as a shatter-resistant alternative to glass. It is 50% lighter in weight as compared to glass and 10 times impact-resistant, also gives better transparency. The polymers in it are synthetic materials that are formed by a chemical reaction between a monomer and a catalyst.

Acrylic sheets are used for displays, signage, furniture, structural glazing, light domes, taillight lenses, lighting fixtures, and caravan windows, among many other applications. They are ideal for a broad range of applications in the construction and signage industries.



## UHMW-PE SHEETS, RODS, PARTS

Impact resistance among the top of the plastic, excellent chemical resistance, low density, low friction coefficient, excellent demoulding performance, the very bottom of the water absorption and static resistance, continuous naturalness, good high-energy radiation resistance, physiological inert. Widely used in textile, paper making, food machinery, transportation, port, medical treatment, coal, chemical industry, etc.



## HDPE SHEETS, RODS, PARTS

HDPE is a white powder or granular product. Non-toxic, tasteless, crystallinity was 80% ~ 90%, softening point is 125 l ~ 35 °C, using temperature is 100 °C; Hardness, tensile strength and creep were better than low density polyethylene. Good abrasion resistance, electrical insulation, toughness and cold resistance; Good chemical stability, insoluble in any organic solvent at room temperature, resistant to corrosion by acid, alkali and various salts.

## POLYPROPYLENE (PP) SHEETS, RODS, PARTS



PP non-toxic, tasteless, density is small, the strength, stiffness, are better than that of low-pressure polyethylene, hardness and heat resistance can be used at about 100 °C. It has good dielectric property and high frequency insulation and is not affected by humidity. Suitable for making general mechanical parts, corrosion-resistant parts and insulating parts. Common acid, alkali and other organic solvents have little effect on it.



## HYLAM (BAKELITE) SHEET – GRADE F3 (MACHINEABLE), PHENOLIC FABRIC LAMINATES

Hylam sheets are used where mechanical strength, wear resistance and resilience are more important than electrical insulation. Typical applications of fabric laminates are gears, textiles shuttles, bearings, pickers, bushes and marine application. Different grades offered to suit specific applications.



Rubber and Polyurethane is mainly used as Spring and Punch Mould functioning buffering or damping parts. As elastic parts, they are mainly used in the punching machine and other similar machines. They could not only protect the Equipments but also assure the quality of the moulds. Rubber and Polyurethane is also widely used in other industries



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