

PTFE

PEEK

PCTFE

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SARASONS is a specialized manufacturer & exporter of high performance components. Since 1978, we have maintained facility with full service machine shop to manufacture parts that offer exceptional performance for most challenging applications. Molded parts with sophisticated geometry & machined components with high requirements of tolerance are exclusively manufactured under expert supervision.



AKASH GANGA, 3rd Floor, Gujarat Collage Road, Ellisbridge, Ahmedabad - 380006. INDIA

We have developed a wide range of compounds with polymer matrix & fillers selected to radically improve its wear & creep resistance. These compounds also have better heat stability & optimal friction properties. We offer a broad range of tribologically advantageous materials for optimum results.

Parts are manufactured using premium base resins with blends such as Carbon Fiber, Glass Fiber, Graphite, Bronze, Ceramic, Molybdenum Disulphide, Polyamide, PEEK®, PPS, Silica, Calcium Fluorides, Ekonol, Stainless Steel, Aluminum Alloy & special high strength polymers.



Machined PTFE Products



Ball & Butterfly Valve Seats



Expansion Bellows & Joints



Piston Rings



Rider Rings



Piston Rod Packing

PEEK

Peek polymer provides exceptional performance over a wide range of temperatures and extreme conditions. It is a linear, aromatic, semi-crystalline polymer widely regarded as one of the highest performing thermoplastics in the world. It provides a unique combination and range of high performance properties.

Key Properties :

- Excellent high temperature resistance with continuous use temperatures of 260 celsius
- Mechanical Strength and Dimensional Stability
- Good Wear Resistance and Chemical Resistance



Valve Bullets



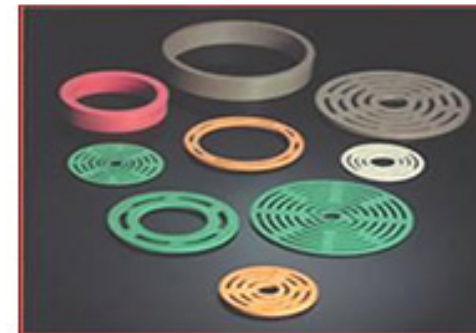
Valve Moppets



Valve Poppets



Peek Seals & Seats



Compressor Valve Plates

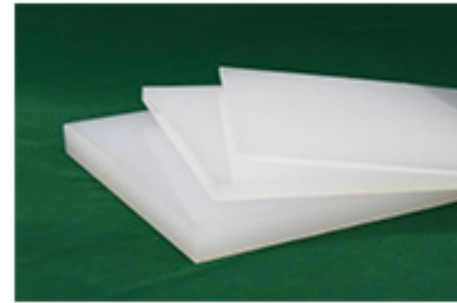


Peek Components

PCTFE

PCTFE is well suited for cryogenic parts such as ball valve seats & seals. PCTFE is a tough, durable fluoroplastic that exhibits unique physical and mechanical properties. Stress-crack resistance, High mechanical strength and low shrinkage rate at low temperatures providing excellent stability for valve seats. Excellent stability at low temperatures. Excellent chemical resistance to all inorganic corrosive liquids. Practically zero moisture absorption. Excellent electrical properties maintained in high humidity conditions.

Temperature range: -400 °F to +248 °F (-240 deg. °C to +120 °C).



Sheets



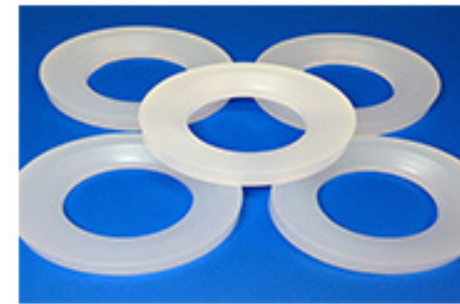
Seals



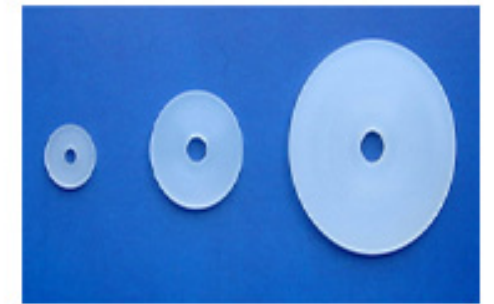
Rod



Track Roller



Valve Seats



Round Gaskets