



சென்னை தனியார் தொழில் நிறுவனம்
CHOLAN INDUSTRIES PRIVATE LIMITED
 Manufacturing of PTFE, Acrylic Components, High Performance Engineering Plastic,
 Automobile Components and Engineering Machined Components (Brass, SS, Aluminium, Steel),
 Engineering Services

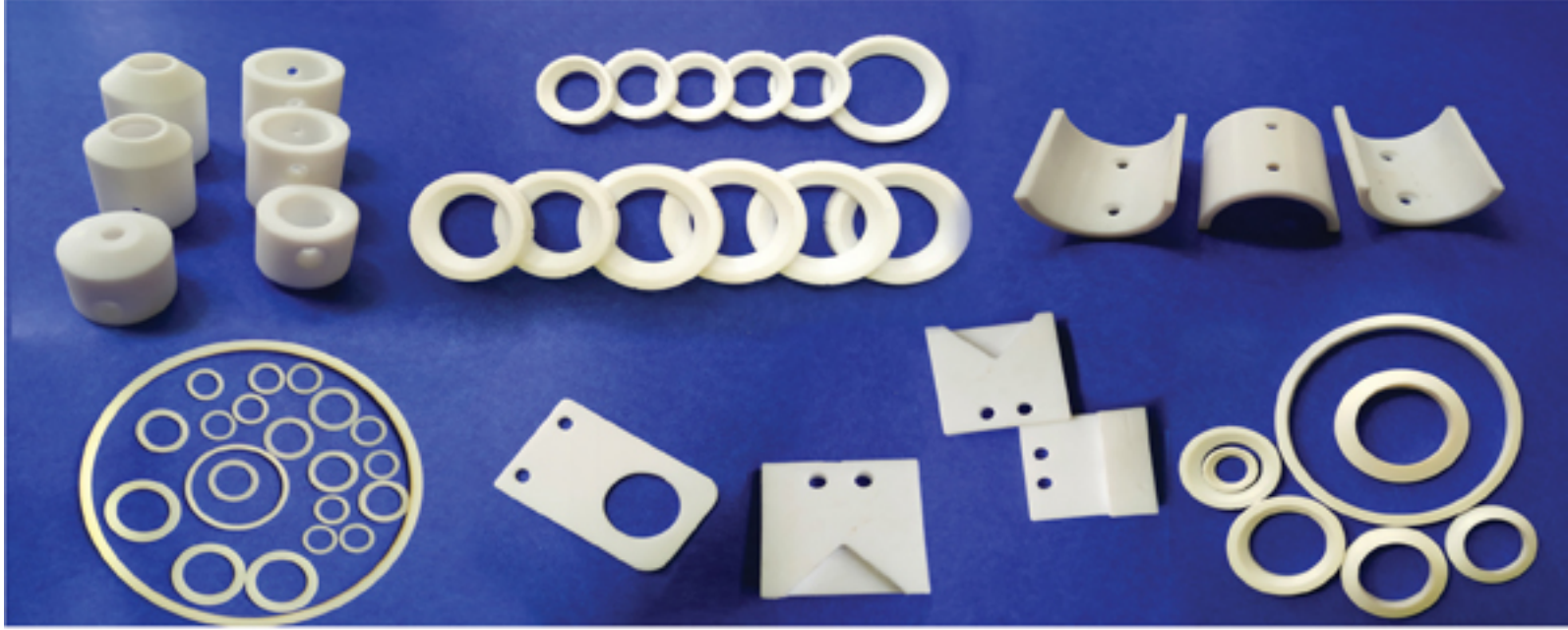
Our Mission

To be a leading manufacturers of PTFE, PEEK, UHMWPE, PU, POM, PET, GRAFOIL, GRAPHITE, PP, CASTNYLON Rubber components, High performance engineering plastic, Automobile & Engineering Machined components (Brass, SS, Aluminium & Metal). Products to provide a world class services to our clients by aligning our delivery models to achieve their business goals.



CHOLAN INDUSTRIES
PRIVATE LIMITED
in language of quality and commitment





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Cholan Industries Private Limited is one of the largest engineering and high performance plastic finished parts producer with a tradition of quality and remains committed to engineering excellence and customer services. Our record of successful application with engineering plastic is a long one and we are ready to put this expertise to work for you.

Our fleet of equipment include compression moulding presses, Ram Extruders, Screw Extruder, CNC Routers, Sintering Press, Turning Centres, Planners, Spindle Moulders, etc.,

PTFE

Cholan is a leading manufacturer of PTFE(Poly Tetra Fluoro Ethylene) Products, Products, and PTFE with filled grades for almost every industry. Meeting the high demands of High-Tech equipment manufacturers requires cutting-edge technologies, processes system control and most of all consistent dependability measured by rigid quality, service, lead time and pricing standards.

PTFE can be used to make a variety of articles having a combination of mechanical, Electrical, & Chemical properties.

THE STANDARDS FILLED GRADES ARE:

- Virgin PTFE
- Glass filled PTFE
- Graphite filled PTFE
- Molybedenum disulphide filled PTFE
- Glass filled PEEK
- PTFE filled PEEK
- Carbon filled PTFE
- Bronze filled PTFE
- Poly filled PTFE
- Carbon filled PEEK
- Turcite filled PTFE
- RPTFE
- PCTFE

SHEETS

1000 X 1000 X 1 - 100mm

RODS

DIA 10 – 200 X 1000mm
 Tubes and Bushes available on request.

STANDARD COLOURS

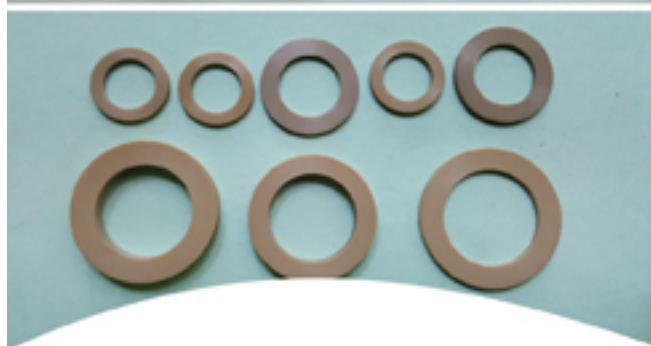
White

ADVANTAGES

Very good UV resistance, Very good sliding properties, Outstanding electrical properties, High resistance to stress cracking, Suitable for use even at low temperatures, Exceptionally high resistance to chemicals

APPLICATION:

'O' ring, Backup Ring, Thrust Pad, Sealing Bush, Stem Seal, Bushes, Rods, Valve Seats, Sheets, Bearing Ring, All kinds of Washer, Inserts, Spiral Backup Ring, Gaskets, Packing Sets, sheet, rods.



PEEK

POLYETHERETHERKETONE is a unique semi crystalline, high temperature engineering thermoplastic that is an excellent material for a wide spectrum of applications where thermal, chemical and combustion properties are critical to performance. Especially significant in this regard is PEEK's ability to retain its flexural and tensile properties at very high temperatures in excess of 250°C (482°F).

SHEETS

3000 X 620 X 5 - 60mm

RODS

DIA 10 – 200 X 1000mm

STANDARD COLOURS

Natural, Black

ADVANTAGES

Good Weldability, Resistant to chemicals, Excellent Sliding Properties, Excellent Dimensional Stability, Resistant to high-energy radiation, High abrasion and wear resistance, Good electrical insulator even at high voltages, Hydrolysis resistance even above + 200°C, Low coefficient of linear thermal expansion, Outstanding mechanical properties even at high temperatures, Optimized balance of stiffness, Tensile strength and impact strength, Continuous operating temperature upto +260°C and briefly even upto 300°C

APPLICATION

Seals, Gears, Fittings, Aviation, Pump Vanes, Valve seats, Piston Rings, Wafer Carriers



GRAFOIL & GRAPHITE

Cholan manufacturing and supplying of premium quality of Grafoil, Graphite rings as well as Gaskets. Structures supplied in different designs, sizes as mentioned below. Meeting needs of the industry. We manufacture products meeting the most severe quality standards that are used by various sectors of Indian industry for different applications.

OUR PRODUCTS

- Grafoil rings/packings
- Spirral wound gaskets
- Braided graphite rings
- Braided Inconel packing
- Pressure seal rings
- Oil seals
- Flexible Graphite Gaskets
- Compressed sheet Gaskets

ADVANTAGES OF OUR SEALS

- Resistant to chemical attack
- Lightweight with high insulation value
- Easy on-site installation and retrofit to existing furnaces
- Improved furnace life through reduction or elimination of hot spots
- Rapid heat up and cool down for short cycle times
- Improved operation throughout and profitability
- Reduction in soothing
- Low particle generation
- Eliminate out-gassing during start up

SELF SEALING RINGS

Flexible expanded pure graphite pressure sealing ring or self sealing rings reinforced with special SS wire net in square – rectangular – angular or any other cross sectional profile. This is recommended for valve bonnet seal ring to handle superheated and saturated steam, all non oxidizing liquid, gases, hydrocarbons, dyes and chemicals.

GRAPHITE BRAIDED SEALINGS

To making Flexible graphite braided packings, different types of reinforced graphite yarn to be used. Packing made of these flexible yarns reinforced by different material like cotton, wire etc. The products are almost suitable to all media, such as hot water, steam, acids, alkalis, organic solvents, hydrocarbons, low temperature liquids etc. It is the most effective packing for sealing in all media.



UHMWPE

Ultra High Molecular Weight Polyethylene is the densest, toughest thermoplastic available today. No other material, not even stainless steel, stands up as well to severe abrasion and abrasive impact. Its not just tough, with a molecular weight of over 4.2 million, has slippery, frictionless surface that virtually eliminates the gradual wear that occurs with metal parts.

SHEETS

2000 X 1000 X 10 - 200mm
3000 X 1250 X 10 - 700mm

4000 X 2000 X 10 - 70mm
6000 X 2000 X 10 - 70mm

RODS

DIA 25 – 200 X 1000mm

STANDARD COLOURS

White, Green, Black

PROFILES

Profiles are ram extruded as per the required shape like Z, L, T, C, U sections etc.,

ADVANTAGES

Food grade, High impact strength, No water absorption, Low coefficient of friction, Self-lubricating properties, Resists high dynamic stresses, High abrasion and wear resistance, Suitable for deepfreeze applications, Resistant to corrosion and chemicals, Excellent resistance to stress cracks.

APPLICATION

Food, Mines, Pharma, Conveyor, Automobile, Material Handling, Package Industry, General Engineering, Chain and Cam Guidance

HDPE

High Density Polyethylene offer excellent sliding properties and abrasion/wear resistance due to its low co-efficient of friction. HDPE is a tough and impact resistant, even at low temperature, it is light weight, easy to weld.

SHEETS

2000 X 1000 X 1 - 100mm

RODS

DIA 25 – 200 X 1000mm

STANDARD COLOURS

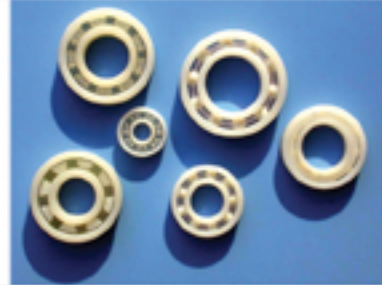
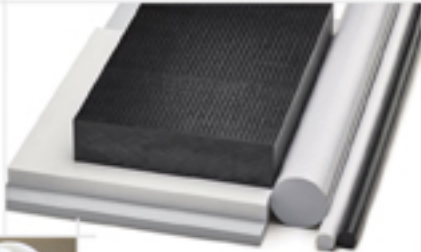
White, Green, Black

ADVANTAGES

Food grade, Low density, High toughness, High elongation, Chemical resistance, Low steam permeability, High chemical resistance, Low coefficient of friction, Very low water absorption, Good electrical properties, Suitable for low temperatures.

APPLICATION

Wheels, Gaskets, Bushings, Gear Roller, Sliding Profiles, Medical Applications, Parts for Tank, Lining for chute, Pumps and Valve Parts.



PET

POLYESTER POLYETHYLENE TEREPHTHALATE(PET) is an excellent dimensionally stable engineering plastic with optimum electrical insulating properties. On exposure to heat, PET shows only low thermal expansion.

SHEETS

3000 X 620 X 8 - 60mm
2000 X 620 X 70 - 100mm

RODS

DIA 25 – 200 X 1000mm

STANDARD COLOURS

Black & White

ADVANTAGES

Wear Resistant, Chemical Resistant, Good Machinability, High Tensile Strength, Dimensionally stable, High Surface Strength, Low Thermal Expansion, Good Sliding Properties, Excellent Creep Behavior, Good Electrical Properties, Very Low Water Absorption

APPLICATION

Seals, Carriers, Bearings, Insulators, Connectors, Housings, Sliding Rails, Gear Wheels, Dough Elements



PP

POLYPROPYLENE is an economical material that offers a combination of outstanding physical, chemical, mechanical, thermal and electrical properties not found in any other thermoplastic. Compared to low or high density polyethylene, it has a lower impact strength, but superior working temperature and tensile strength.

SHEETS

2000 X 1000 X 1 - 100mm

RODS

DIA 25 – 250 X 1000mm

STANDARD COLOURS

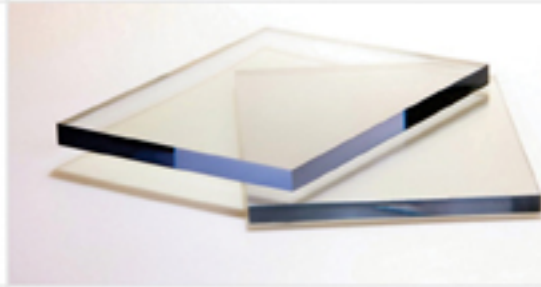
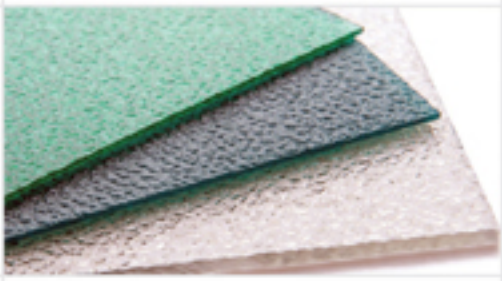
White, Grey

ADVANTAGES

Light Weight, High Heat Resistance, High Tensile Strength, High Surface Strength, Inert to Most Chemicals, High Chemical Resistance, Unique Cracking Resistance, Good Electrical Properties.

APPLICATION

Pumps, Gears, Valves, Gaskets, Separator, Pickling tanks, Clicking Board, Chemical Tanks, Absorption Duct, Electro plating Tanks



POLYCARBONATE

POLY CARBONATE is an amorphous engineering thermoplastic with high transparency and toughness, making it ideal for one time use medical devices. PC has good strength and heat deformation resistance. It is easily machined, welded and bonded and provides good electrical insulation. PC shapes are certified as meeting the requirements of USP Class VI. It is commonly used to make medical devices.

SHEETS

3000 X 620 X 6 -60mm
2000 X 620 X 70 -100mm

RODS

DIA 6 – 200 X 1000mm

STANDARD COLOURS

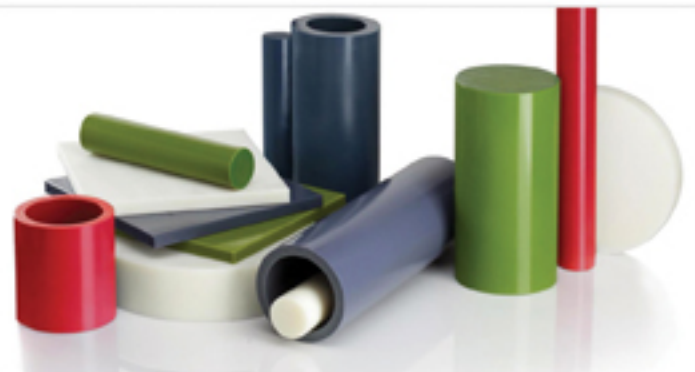
Transparent

ADVANTAGES

Transparent, Extremely high impact, High dimensional stability, High mechanical strength, Good chemical resistance, Good insulating properties, High resistance to radiation, High temperature resistance

APPLICATION

Housings, Coil Bodies, Caps and Covers, Relay Components, All Types of lights, For Insulating Parts, Medical Consumer Goods



CAST NYLON

CAST NYLON available in a variety of grades, offers a combination of good mechanical properties, excellent bearing and wear characteristics, and the large size capabilities of the casting process. Its fatigue resistance and light weight make ideal for metal replacement applications, such as bearing, gears, sheaves and sprockets. At 1/8th the weight, cast nylon is easier to handle than metals, has good wear resistance, high tensile strength and high modulus of elasticity.

SHEETS

2500 X 1250 X 6 - 150mm

RODS

DIA 50 – 300 X 1000mm

STANDARD COLOURS

Natural, Black, Blue

ADVANTAGES

Low Abrasion, Reduces Noise, Good at Dampening, Good Glide Characters, Good Chemical Stability, Low Coefficient of Friction, High Strength and Stiffness, High Heat Deflection Temperature, High Impact and Notch Impact Strength, Good Sliding Properties vs. Steel and POM

APPLICATION

Gears, Wipers, Bushes, Rollers, Bearings, Cam Disks, Sprockets, Chain Guides, Sliding Parts, Rope Pulleys, Conveyor stars





POM

POLY OXY METHYLENE is a semi crystalline engineering plastic that is manufactured by the polymerisation of formaldehyde, is an excellent material for machining has an excellent dimensional stability to help intricate products remain stable and accurate.

SHEETS

2000 X 1000 X 5 - 60mm
2000 X 620 X 8 - 100mm

1000 X 620 X 110 - 150mm

RODS

DIA 5 – 200 X 1000mm

STANDARD COLOURS

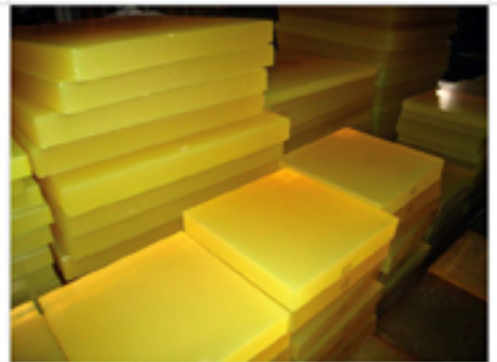
Black and White

ADVANTAGES

Good Machinability – Good UV Resistance, Low Creep Tendency, High Thermal Stability, High Abrasion Resistance, High Dimensional Stability, Resistant to Stress Cracks, Low Absorption of Moisture, Good Electrical Properties, High Resistance to solvents, Outstanding Sliding Properties

APPLICATION

Seals, Wipers, Rollers, Bearings, Housings, Sprockets, Insulators, Chain Guide, Sliding Rails, Gear Wheels, Dough Elements



PU

POLY URETHANE is a unique material that offers the elasticity of rubber combined with toughness and durability of metal, due to broad range of hardness it allows to replace rubber, plastic and metal. In many applications PU cuts down-time and cost of parts. Urethanes have better abrasion and tear resistance than rubbers, while offering higher load bearing capacity.

SHEETS

1000 X 1000 X 3 - 50mm

RODS

DIA 10 – 150 X 1000mm
Tubes and Bushes available on request.

STANDARD COLOURS

Natural, Red, Yellow

ADVANTAGES

Flex-Life, Tear Resistant, Weather Resistant, Electrical Properties, Load Bearing Capacity, Heat and Cold Resistant, Oil and Solvent Resistant, Excellent Noise Abatement Properties

APPLICATION

Seals, Gears, Rollers, Bellows, Gaskets, Bumpers, Wear Strips, Diaphragms, Rollers Covers, Cutting Surfaces, Sandblast Curtains, Machinery Mounts, Metal Farming Pads, Sound Dampening Pads, Chute and Hopper Lines, Proto type Machined Parts



ACRYLIC

ACRYLIC's distortion free view enhances a product or message without distracting from it. Available in crystal clear. Acrylic has high mechanical and chemical resistance and is easy to work with.

SHEETS

2400 X 1200 X 2 -50mm

RODS

DIA 10 – 150 X 1000mm

STANDARD COLOURS

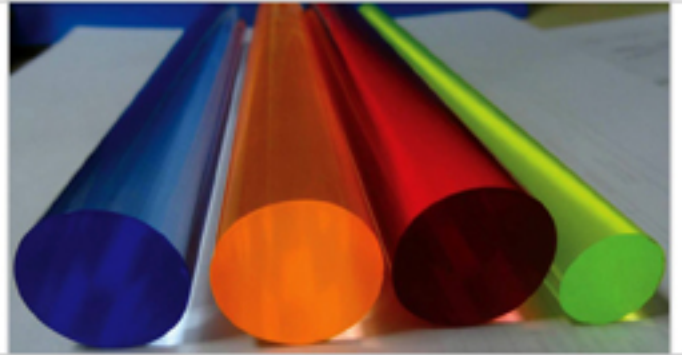
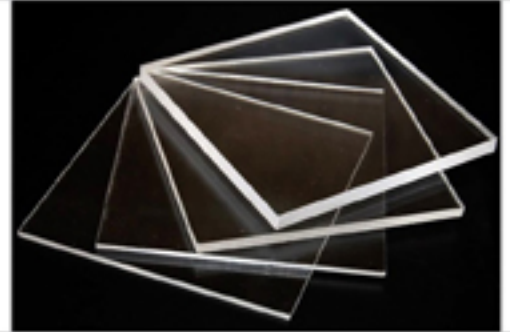
Clear, Opal colour, Opel white, Translucent, Transparent, Opeq colour

ADVANTAGES

Easier to bend, Shatter Resistant, Great optical clarity, Strong and Resilient, Good impact strength, Extremely high molecular mass, Outstanding weathering properties

APPLICATION

Flood Windows, Interior Decoration, Signage Industries, Machine Windows, Rear Projection screen



RUBBER PRODUCTS

Cholan is a leading manufacturers of standard and custom rubber components for almost every industry.

The multifaceted nature of our company is resourceful and helps invigorating our clients to explore their options. Cholan family is built with a very strong and well experienced engineers and technicians in the field of rubber production, quality and sales. Cholan distinguish itself from its competitors not only in price, but also in quality. Standard product includes rubber components like grommets, bellows, Sleeves, bushes, packing, Vibration Pad, Anti-Vibration mounts, Shock Absorbers, Oil Seals/'O' Ring, Dust Covers & Dust Caps. All the above products are made up of both natural and synthetic polymers like Neoprene, EPDM, Silicon, Butyl, NBR-PVC blend, Nitrile, SBR, Viton.

MACHINED COMPONENTS

Cholan is a leading manufacturer of standard and custom machined components for almost every industry. ie., Flange, Adapters, Couplers, Gear Shaft, Nuts, Bolts, Sprockets, Automotive Bushes, Brake Parts, Nozzles, Washers, All Kinds of mechanicals parts. These products can be supplied like Brass, SS, EN Series, OHS Series, Aluminum, Ferrous, Non Ferrous Metals.



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ISO 9001 : 2015 is not a proof for Cholan's quality awareness. But, is also a high motivation to continue with the performance of strict quality and environmental standards in all company activities.



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