



U-TECH POLYMERS

Unique sealing solutions....

www.utechpolymers.com



- Moulding
- PTFE Filled Grade
- Machined Parts
- Teflon Bellow

- Valve Industries
- Mechanical Seal Industries
- Industrial Pumps
- Chemical Plants



ABOUT US

We take immense pleasure, to introduce ourselves, as a one of the leading manufacturer of quality Teflon Products. We ventured into this business, to accomplish the requirements of various industries in general, and Mechanical Seals & Valves industry in particular. By offering them our products at highly competitive rates, without compromising on our quality standards.

At U-Tech Polymers, We have in-house facility, for PTFE And Filled Grade PTFE Which includes GFT, CFT, Mos2, Graphite and Bronze, and many more, as per clients specification, in its different forms, like Bushes, Rings, Bellows, PTFE Coated O-Rings/TTV O-Ring, Wedge, PTFE O-Rings, V-Packing and Complete Teflon bellow seals etc. We can provide our clients with any customized Products of PTFE for all process industries in terms of sealing material, which have application in Mechanical seals, valves and Industrial Pumps, as per their specification. We keep stocks of Complete Teflon bellow seals, sizes ranging from 14mm, To 2.500", at any given time.

At U-Tech Polymers, we understand that, quality is not what we sell, but it's what you buy and are satisfied with, because customer satisfaction is the ultimate goal of Quality. Quality is essential to the success of any business. Success demands top quality practices and strict discipline on the part of the company. Hence, we have established a very comprehensive and scientific system of quality control, where strict vigil is maintained at every stage of production."

Our aggressive management team is committed to provide the higher standard of quality to our customers. Let us assure you that we stand ready, willing and able to provide services needed, to become your leading vendor. We invite you to share our knowledge and technology. We shall be both technologically acceptable, and commercially competitive.

In case you need any further information, please feel free to contact us, which will be promptly complied with.

WHAT IS TEFLON?

Teflon® is a registered trademark of DuPont and is used in relation to products manufactured with Dupont's fluoropolymer resins.

WHAT IS PTFE?

PTFE stands for PolyTetraFluoroEthylene, which is the chemical term for the polymer (CF₂)_n.

Polytetrafluoroethylene (PTFE), (DuPont's trademark of Teflon®) is a thermoplastic member of the fluoropolymer family of plastics. PTFE has a low coefficient of friction, excellent insulating properties, and is chemically inert to most substances. It also can withstand high heat applications and it is well know for its anti-stick properties.

Other trademarks, in addition to DuPont's trademark Teflon®, of PTFE resin and their manufacturer are:

FLUON® AGC Chemicals Americas, Inc. (AGC). They have plants in the U.S., England, and Japan.

DYNEON® Dyneon, a 3M Company, produces PTFE resin in Gendorf, Germany. This plant has operated since 1964, founded by Hoechst AG and resin formerly trademarked as HOSTAFロン®.

POLYFLON® Daikin Industries Ltd. has been producing PTFE resin since the 1960's in Japan and since 1994 in the U.S as Daikin America Inc.

ALGOFロン® Solvay Solexis, formerly Ausimont, has plants in the U.S. and Italy. Ausimont was purchased by Solvay.





PTFE Moulding Parts

Page 4



PTFE Filled Grade

Page 5 - 10



PTFE Machined Parts

Page 11 - 16



PTFE Machined Parts

Page 17 - 19



At U-TECH POLYMERS, We have in-house facility, for PTFE And Filled Grade PTFE Which includes GFT, CFT, Mos2, Graphite and Bronze, and many more, as per clients specification, in its different forms, like Bushes, and Bellow Bushes etc. We can offer the same in various size which range from OD of 25mm to 250mm, ID of 12mm to 225mm in standard length of 100mm

We at U-Tech Polymers is engaged in offering finest quality PTFE Bush which is offered to our client to cater the varied needs. These PTFE Bushes are manufactured using top quality raw material which are source from the certified and trusted vendors, in order to provide consistent quality to our clients.

We bring for our clients a wide range of PTFE Bush that are well designed and come in the following specification

BUSH SIZES				
OD X ID X L	OD X ID X L	OD X ID X L	OD X ID X L	OD X ID X L
25 X 12 X 100	47 X 25 X 100	70 X 50 X 100	110 X 85 X 100	160 X 135 X 100
25 X 15 X 100	47 X 35 X 100	70 X 55 X 100	110 X 90 X 100	160 X 140 X 100
25 X 17.5 X 100	50 X 25 X 100	75 X 45 X 100	115 X 90 X 100	165 X 140 X 100
29 X 15 X 100	50 X 30 X 100	75 X 55 X 100	115 X 95 X 100	165 X 145 X 100
29 X 17.5 X 100	50 X 32 X 100	75 X 60 X 100	120 X 95 X 100	170 X 145 X 100
29 X 20 X 100	50 X 35 X 100	80 X 50 X 100	120 X 100 X 100	170 X 150 X 100
32 X 15 X 100	50 X 38 X 100	80 X 60 X 100	125 X 75 X 100	175 X 125 X 100
32 X 17.5 X 100	54 X 42 X 100	80 X 65 X 100	125 X 100 X 100	175 X 150 X 100
32 X 20 X 100	55 X 30 X 100	85 X 55 X 100	125 X 105 X 100	175 X 155 X 100
35 X 15 X 100	55 X 32 X 100	85 X 65 X 100	130 X 105 X 100	180 X 155 X 100
35 X 17.5 X 100	55 X 35 X 100	85 X 70 X 100	130 X 110 X 100	180 X 160 X 100
35 X 20 X 100	55 X 40 X 100	90 X 60 X 100	135 X 110 X 100	185 X 160 X 100
35 X 22.5 X 100	58 X 45 X 100	90 X 65 X 100	135 X 115 X 100	185 X 165 X 100
35 X 25 X 100	60 X 30 X 100	90 X 70 X 100	140 X 115 X 100	190 X 165 X 100
37 X 20 X 100	60 X 40 X 100	95 X 65 X 100	140 X 120 X 100	190 X 170 X 100
37 X 25 X 100	60 X 45 X 100	95 X 75 X 100	145 X 120 X 100	195 X 170 X 100
40 X 20 X 100	60 X 48 X 100	95 X 80 X 100	145 X 125 X 100	195 X 175 X 100
40 X 22.5 X 100	65 X 35 X 100	100 X 75 X 100	150 X 100 X 100	200 X 150 X 100
40 X 25 X 100	65 X 45 X 100	100 X 80 X 100	150 X 125 X 100	200 X 175 X 100
40 X 28 X 100	65 X 50 X 100	100 X 85 X 100	150 X 130 X 100	200 X 180 X 100
45 X 25 X 100	68 X 52 X 100	105 X 80 X 100	150 X 130 X 100	225 X 200 X 100
45 X 32 X 100	70 X 40 X 100	105 X 85 X 100	155 X 135 X 100	250 X 225 X 100

Note: Contact us for special size



PTFE :

PTFE is high performance engineering polymer having versatile properties such as: Chemical Inertness, Exceptional weather resistance, Excellent electrical insulator characteristics, Heat resistance, Non-adhesive Properties, Very low coefficient of friction. The versatile properties of PTFE gives it diverse application in various industries such as, Chemical, pharmaceutical, electrical, thermal & nuclear power plants, Railways, machine tools manufacturing etc. Practically all kind of industries are demanding PTFE & finding new application due to its unique & exceptional properties.

60% Bronze Filled PTFE :



We are the manufacturer and supplier of 60% Bronze Filled PTFE.

Compounds of bronze and Teflon improve creep resistance, thermal conductivity and wear resistance while maintaining low friction properties.

Bronze bearings have excellent wear properties, especially at higher loads and speeds. Bronze filled materials are not suitable for chemical environments as or in electrical applications.

15% Glass Filled & 5% MoS₂ Filled PTFE



One of the best known dry lubricants, MoS₂ can increase surface hardness and lower coefficient of friction and wear rate while the glass fibers add structural reinforcement. The glass will not be effected by chemical or electrical demands nor will the MOS₂. This compound is very commonly used for reciprocating seals in hydraulic and pneumatic cylinders. We are the manufacturer and supplier of 15% Glass Filled & 5% MoS₂ Filled PTFE.

25% Carbon Filled PTFE



U-Tech Polymers is the manufacturer, supplier & trader of 25% Carbon Filled PTFE of different sizes.

Typical carbon filler is high-purity coke powder, which may be combined with graphite in concentrations. Compounds of Teflon and carbon have excellent wear resistance, both dry and in water. Chemical resistant and carry heavy loads under rubbing conditions. Good chemical resistance; various types and amounts of carbon can be added to alter conductivity.

25% Glass Filled PTFE



Glass in the form of short fibers are usually in 15% or 25% fill volumes. Glass has little effect on most of the electrical or chemical properties of Teflon. It resists acids and oxidation, but can be attacked by alkali. Glass filler improves creep resistance (deformation under load) compressive strength and insulative properties. Glass fillers can be abrasive so attention to mating hardware hardness is recommended.

15% Graphite Filled PTFE



This crystalline form of carbon helps reduce the wear of soft metal mating parts. It serves well in corrosive environments. Graphite lowers the coefficient of friction and is, therefore, often added to other types of filled PTFE for improving this property. It improves the deformation under load, strength and, to a minor degree, the wear properties. Excellent seal, gasket and bearing grade material.

Modified PTFE



We are the manufacturer and supplier of Modified PTFE in mumbai, INDIA.

Modified PTFE supplied by Dyneon... Excellent seal and seat material, low deformation under pressure, very low permeation, Excellent chemical and temperature resistance and high purity.

PEEK Filled PTFE



We are the manufacturer and supplier of PEEK Filled PTFE in mumbai, INDIA.

High modulus material with excellent high temperature resistance. Excellent for back-up rings only.

55% Bronze filled & 5% MoS2 filled PTFE



We are the manufacturer and supplier of 55% Bronze filled and 5% MoS2 filled PTFE. Our product range includes PTFE Moulding Parts, PTFE Filled Grade, PTFE Machined Parts, Teflon Bellow and Faces.

We also manufacture Encapsulated O-Ring, PTFE O-Ring, Wedge, V-Packing, GFT Seal Seal Ring, Envelope Gasket, CFT Seal Face Clamp Ring etc.

Rulon



We are the manufacturer and supplier of Rulon. This was the first commercially available reinforced PTFE and is still quite popular. Rulon ® AR offers the best combination of flexibility and load-carrying properties. It has high wear resistance, low friction, and good electrical insulative and chemical properties. Since, its fillers are ceramic in nature, mating surfaces should be RC35 or harder. It is and used in seals, piston cups, and some bearings.

Aluminum Oxide filled PTFE



Alumina or aluminum oxide is an excellent electrical insulator and is used to improve mechanical properties of compounds used in high voltage applications. As it is very hard, machining of the sintered part should be avoided whenever possible.

We are the leading manufacturer, supplier and trader of Aluminum Oxide filled PTFE.

Stainless steel Filled PTFE



We are the leading manufacturer, supplier and trader of Stainless Steel filled PTFE.

Stainless steel supplies high wear resistance and load bearing capability, along with better chemical resistance than bronze-filled PTFE. Stainless steel is especially good in steam service.

PTFE



PTFE is high performance engineering polymer having versatile properties such as:

Chemical Inertness, Exceptional weather resistance, Excellent electrical insulator characteristics, Heat resistance, Non-adhesive Properties, Very low coefficient of friction.

The versatile properties of PTFE gives it diverse application in various industries such as, Chemical, pharmaceutical, electrical, thermal & nuclear power plants, Railways, machine tools manufacturing etc.

Practically all kind of industries are demanding PTFE & finding new application due to its unique & exceptional properties.

PTFE PIGMENTED



Pigmented PTFE materials contain pigment in addition to other fillers. The pigments can add to the wear and compressive properties to previously existing compounds. The pigments also aid in applications where color coding is needed. Typical applications requiring these materials are shaft seals, piston rings and cups.

We manufacture and supply different types and colours of Pigmented PTFE.

Different Colours of PTFE Pigmented



Nickel Filled PTFE



Our is the manufacturing and supplying of Nickel Filled PTFE.

Same good physical and chemical properties with better creep behavior than virgin PTFE Good for anti-extrusion rings, back-up rings, guide rings and in chevron packing sets Some chemicals may not be compatible with the fillers.

Ekonol Filled PTFE



Ekonol® is a thermally stable aromatic polyester. When blended with PTFE, it produces a composite material with excellent high temperature and wear resistance. Ekonol® will not wear mating metal surfaces, making it good for rotary applications. Ekonol®-filled materials are also good for food service.

We are manufacturer and supplier of Ekonol Filled PTFE.



PTFE Machined Parts

Our organization is prominent in manufacturing and supplying a wide range of PTFE machined parts. With the help of our dedicated team, these parts undergo stringent checks and supervision before hitting the market. These parts can be availed in numerous sizes, designs and patterns and we also customize these products as per the specifications of the clients.

Encapsulated O-Ring



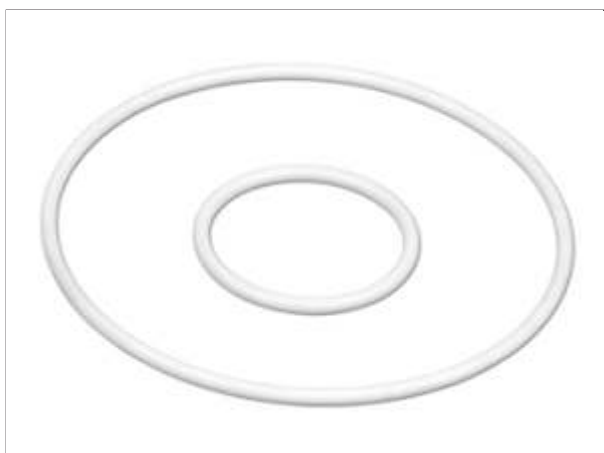
U-Tech Polymers is the leading manufacturer, distributor and supplier of comprehensive range of quality Encapsulated 'O' Ring, widely used across a range of industries, including:

Chemical Processing, Petrochemical, Pharmaceutical, Food & Drink, Paints & Dyes, Refrigeration and Cosmetics. Encapsulated 'O' Rings can be found in various types of equipment in these industries.

Used in : Mechanical Seal

Size : Up to 2"

PTFE O-Ring



We are the leading manufacturer, distributor and supplier of comprehensive range of quality PTFE 'O' Ring. PTFE O-Rings are impervious to harsh chemicals, acids and gases.

PTFE O-Rings are an ideal solution for sealing applications where there are high temperatures and corrosive liquids or gases involved.

Used in : Mechanical Seal

Size : Up to 2"

PTFE Wedge



We are the manufacturer and supplier of PTFE wedge. Our Product range includes Encapsulated O-Ring, PTFE O-Ring, V-Packing, GFT Seal Ring, Envelope Gasket, CFT, Seal Face etc.

Used in : Mechanical Seal

Size : Up to 2"

V-Packing



U-Tech Polymers is the leading manufacturer, distributor and supplier of comprehensive range of quality V-Packings which are popular for sealing rods and pistons. They can be used for low or high pressure applications and with sing or double acting cylinders.

Used in : Mechanical Seal

Size : Up to 2"

Packing



U-Tech Polymers is the leading manufacturer, distributor and supplier of comprehensive range of quality Packings which are popular for sealing rods and pistons. They can be used for low or high pressure applications and with sing or double acting cylinders.

Used in : Mechanical Seal

Size : Up to 2"

GFT Seal Ring



We are the manufacturer, distributor and supplier of comprehensive range of quality GFT Seal Ring. We are engaged in offering superior quality GFT Seal Ring and have carved a niche for ourselves in this market category. These are available in different specifications to meet the variegated needs of the clients

Used in : Mechanical Seal

Size : Up to 2"

Envelope Gasket PTFE



Manufacturer, Supplier & Distributor of Envelope Gasket PTFE which provide excellent sealing in corrosive environments. Our product range also comprises of Encapsulated O-Ring, PTFE O-Ring, PTFE Wedge, V-Packing, GFT Seal Ring, CFT Seal Face, Clamp Ring and much more

Used in : Mechanical Seal

Size : Standard & Custom

CFT Seal Face



Manufacturer, Supplier & Distributor of CFT Seal Face which provide excellent sealing in corrosive environments. Our product range also comprises of Encapsulated O-Ring, PTFE O-Ring, PTFE Wedge, V-Packing, GFT Seal Ring, CFT Seal Face, Clamp Ring and much more

Used in : Mechanical Seal

Size : Standard & Custom

Clamp Ring



We are a coveted organization that is involved in manufacturing, supplying and exporting high quality PTFE Clamp Ring. Available in various sizes and standards, these Clamp Ring are made from PTFE bush.

Used in : Mechanical Seal

Size : Available in various size

L-Cup Packings



We are the manufacturer and supplier of Lip Cup Packings. Available in various sizes and standards, these L-Cup Packings are made from PTFE bush.

Used in : Mechanical Seal

Size : Standard & Custom

Lip Seal



U-Tech Polymers is the manufacturer and supplier of Lip Seal that seals dynamically on the shaft, and seals statically in the bore with an elastomeric O-ring on its ID.

Used in : Mechanical Seal

Size : Standard & Custom

TB Bellow & Cover



PTFE Bellows are used where chemicals & chemical fumes are continuous in contact with the instrument. These are normally used in chemical industry, labs & instrumentation engineering.

Used in : Mechanical Seal

Size : Available in various size

TBR Bellow & Cover



PTFE Bellows are used where chemicals & chemical fumes are continuous in contact with the instrument. These are normally used in chemical industry, labs & instrumentation engineering.

Used in : Mechanical Seal

Size : Standard & Custom

Valve Packing



U-Tech offers a full range of pump and valve packing for all types of service. We are also manufacturer of PTFE O-Ring, PTFE Wedge, V-Packing, GFT Seal Ring. Envelope Gasket, CFT Seal Face, Clamp Ring etc.

Used in : Mechanical Seal

Size : Standard & Custom

CER. Sleeve Packing



U-Tech offers a full range of sleeve packing for all types of service. We are also manufacturer of PTFE O-Ring, PTFE Wedge, V-Packing, GFT Seal Ring. Envelope Gasket, CFT Seal Face, Clamp Ring etc.

We are very specialized in manufacture PTFE Filled Grade, PTFE Machined Parts and PTFE Moulded parts in mumbai, INDIA.

Used in : Mechanical Seal

Size : Available in various size

Throttle Bush



U-Tech offers a full range of Throttle Bush for all types of service. We are also manufacturer of PTFE O-Ring, PTFE Wedge, V-Packing, GFT Seal Ring. Envelope Gasket, CFT Seal Face, Clamp Ring etc.

Used in : Mechanical Seal

Size : Available in various size



The Best Quality Products

Teflon Bellow & Faces

We are a manufacturer and supplier of a gamut of high range Teflon Bellow and Faces. These products are manufactured using high-quality raw materials, which are sourced from renowned vendors of the market. Our range of Teflon bellows and faces are reckoned for their flawlessness and for standing tall on the expectations of our clients. These products are used for the purpose of ensuring fine flow of pipeline from primary glass equipment. Our range of products are mentioned below:

UT-TB



Our UT-TB is an non-replaceable Teflon seal face with good performance.

- **Item code** : UT-TB
- **Material** : PTFE
- **Size** : 14 mm to 2.500"

UT-TBR



Our UT-TBR is a replaceable seal face with high performance.

- **Item code** : UT-TBR
- **Material** : Silicon & Carbon
- **Size** : 0.75" to 2.500"

UT-TBS



UT-TBS : In these design Spring are Isolated from Pumping Media to Enhance the Seal Life

- **Item code** : UT-TBS
- **Size** : 0.550" to 2.500"

Seal Flange



SEAL FLANGE in hylam / bakelite used in highly acidic application

- **Item code** : Seal Flange
- **Size** : Standard

T-Type Ceramic



T-TYPE CERAMIC have low coefficient thermal expansion but used in various acidic application

- **Item code** : T-Type Ceramic
- **Material** : Ceramic
- **Size** : 3/4" to 2.500"

Ceramic Sleeve



CERAMIC SLEEVE is replaced to the exotic material like Hastalloy-C, Alloy-20 & save the costing

- **Item code** : Ceramic Sleeve
- **Material** : Ceramic
- **Size** : Custom

Xylan 1070 Coating



XYLAN 1070 COATING from white ford is a PTFE coating, also called fluoropolymer coating it provides excellent corrosion protection.

- **Temp** : Up to 260°C

Halar Coating



SEAL FLANGE in hylam / bakelite used in highly acidic application

- **Temp** : Up to 150°C

UT-SF TB/TBR



UT-SF has a comparatively harder face than other seal face.

- **Item code** : UT-SF
- **Size** : Standard

UT-FC TB/TBR



UT-FC We can provide colour code for seal bellow as per your specification to maintain a standard

- **Item code** : UT-FC
- **Size** : Standard

UT-MS

UT-MS has a self lubricating property it can be run in dry application.

- **Item code** : UT-MS
- **Size** : Standard

UT-CF TB/TBR

UT-CF provide excellent wear resistance, chemical resistance and carry heavy loads under rubbing conditions.

- **Item code** : UT-CF
- **Size** : Custom

UT-MC TB/TBR

UT-MC Xylan Coating can be used in hardware to enhance the life.

- **Item code** : UT-MC
- **Size** : Standard

UT-SS WC/CC

UT-SS Single coil spring with Halar Coating improve life as compared to multi spring.

- **Item code** : UT-SS
- **Size** : Standard

UT-BC TB/TBR

UT-BC We can provide colour code for seal face as per your specification to maintain a standard.

- **Item code** : UT-BC
- **Size** : Standard

UT-FC TB/TBR

UT-SG has excellent flexible & good wear resistance.

- **Item code** : UT-SG
- **Size** : Standard



U-TECH POLYMERS

Unique sealing solutions....

Regd. Office & Works

Unit No. 16, Mishra Compound, Behind Tashkend Hotel,
Opp. Ruby Hopsita, S. V. Road, Jogeshwari (West),
Mumbai - 400 102. (INDIA)

Tel : 022-67253358 Fax : 022-67255639
Email : info@utechpolymers.com / utechpolymers@gmail.com
Web : www.utechpolymers.com

