



ENMEX ENTERPRISES

Experts in fluoropolymers

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ABOUT US

Genmex Enterprises is an expert in E-PTFE for your industrial sealing needs and surpassing corrosion barriers.

Largest Independent trader of Fluoropolymer raw material resins (PTFE , FEP, PFA, PVDF, ETFE) in India.

Manufacturer and exporter of semi finished and finished fluoropolymer products (PTFE, FEP , PFA) having more than 12 years of experience.

All the products are of standard quality and passed the FDA , ROHS , CE, ISO & SGS certification to meet industry needs and design. We have a good reputation in European, USA, Middle East & Asian markets.

We offer E-PTFE Sheets, Gaskets, Tape, PTFE Semi finished and finished products, PTFE Medical & Lined Products , Fluoropolymer raw materials for industries across India and Asia.

The Company is founded by Mr. Akshat Jain (CEO) B.tech in Mechanical and Automation Engineering bringing Technical knowledge and development of new products in the field of Fluoropolymers.

Backed my Expertise Mr. Balbir Jain (Bali) bringing 35 years of experience in the Field of Fluoropolymers and is the Consultant on the Board of Genmex.

He is an Engineer from MIT , USA and bring new innovation and technology to cater USA and overseas market.

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EPTFE MEMBRANE



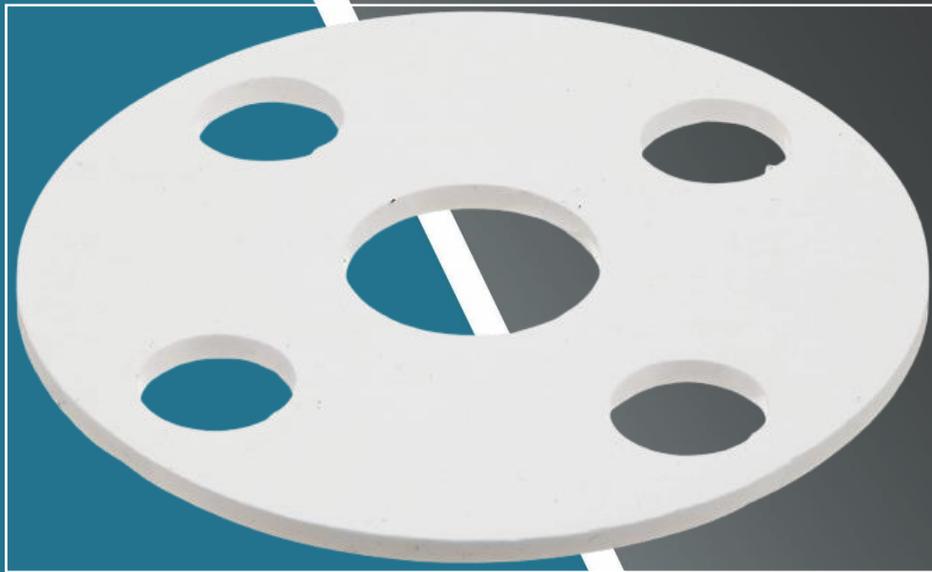
An e-PTFE Membrane is created when PTFE — a linear polymer consisting of fluorine and carbon molecules — is expanded, creating a microporous structure with very desirable characteristics, including a high strength-to-weight ratio, biocompatibility, high thermal resistance, and many others: Attributes. High porosity.

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EPTFE MEMBRANE

1. EPTFE GASKETS



The E-ptfe Gaskets produced by our company consists of 100% PTFE. Its multidirectional stretching structure provides unique properties.

Even in harsh working conditions, the material exhibits incredibly low compressibility and creep properties. And to accord with different application scales, our company can provide corresponding product size pursuant to customer's needs.

1. Excellent chemical resistance
2. Soft, flexible, light clamping force to seal
3. Easy cutting, normal scissors or knives only can handle
4. High-intensity, fibrosis, 3 D structure which greatly reduce the cold flow creep



APPLICATION

1. Valve Sealing
2. Chemistry & Chemical Industry
3. Food Safety

2. EPTFE SHEET



Thickness (mm ^{8a})	Thickness Tolerance (mm)	Size (mm)
0.5	±0.10	1500x1500 ^b (±20)
1.0	±0.15	
1.5	±0.20	
2.0	±0.20	
3.0	±0.30	
4.0	±0.30	
5.0	±0.40	
6.0	±0.40	

The E-ptfe sheet is produced by our company consists of 100% PTFE. Its multidirectional stretching structure provides unique properties. Even in harsh working conditions, the material exhibits incredibly low compressibility and creep properties. And to accord with different application scales, our company can provide corresponding product size pursuant to customer's needs.

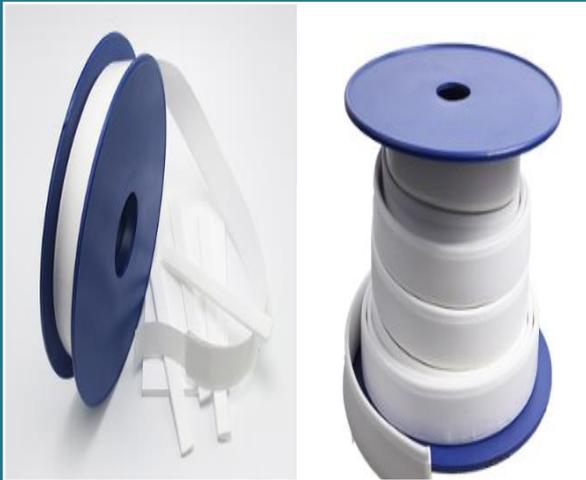
1. Excellent chemical resistance
2. Soft, flexible, light clamping force to seal
3. Easy cutting, normal scissors or knives only can handle
4. High-intensity, fibrosis, 3 D structure which greatly reduce the cold flow creep



Physical Properties :

1. Length Tensile Strength : 17.0 MPa
2. Cross Tensile Strength : 27.0 MPa
3. Compressive Strength : 14.7 MPa
4. Max Compressive Strength : 20.0 MPa
5. Density : 0.9 g/cm³
6. Operating Temperature : -240 -260 C

3. EPTFE TAPE



Thickness (mm8a)	Thickness Tolerance (mm)
3	1.5
5	2.0
6	2.5
9	3.0
10	4.0
13	5.0
16	5.0
20	7.0
25	5.0
50	5.0

Expanded polytetrafluoroethylene (ePTFE sealant tape), with 3M adhesive back design, can be customized of different sized according to specific requirements, widely used in the sealing of various valve flanges. It has good flexibility, compression resilience, creep resistance and ageing resistance. With excellent sealing performance and convenient installation and use, it is ideal sealing material for industries such as chemical & petrochemical, pharmaceutical supplies, electronic power, and metallurgy & shipbuilding. The expanded tetrafluoroethylene (EPTFE) sealing tape is a kind of strip sealing product, which is made of 100% expanded polytetrafluoroethylene (EPTFE) material. The backside is lined with self-adhesive for easy use.

APPLICATION

- Electronic power
- Pharmaceutical Supplies
- Metallurgy & Shipbuilding
- Chemical & Petrochemical

4. EPTFE MEMBRANE FOR FILTRATION



Fluorine owns experience for more than 30 year in the R&D and production of PTFE membrane products,dedicated to producing high-quality expanded polytetrafluoroethylene (EPTFE) membrane.The microporous membrane has a biaxially oriented 3D fiber network structure,owns a micron equivalent aperture boasting high efficiency and low resistance. Compared with deep filtration, the filtration of the surface layer of composite PTFE membrane materials can effectively block the dust on the surface of the media.The dust cake can be pulsed off easily due to the smooth surface with lower pressure drop repeated use and longer servive life.EPTFE membrane can be laminated on various filter media of high temperature or normal temperature such a PTFE needle felt,glass fiber wiven fabric,polyester supunbond and so on.It is widely used in waste incineration, coal-fired power plants,cement,carbon black,boiler,biomass power plants.

APPLICATION

Air filtration

Gas turbine

Incineration plant

Coal-fired power plant



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