



Shenzhen Teflon New Material Technology Co., Ltd

Introduction of Shenzhen Teflon New Material Technology Co., Ltd. and Our Raw Materials

Dear Sir/Madam

We would like to introduce Shenzhen Teflon New Material Technology Co., Ltd., a leading supplier of high-quality fluoropolymer raw materials, with over 20 years of experience. We specialize in PTFE, FEP, PFA, PCTFE, PVDF, ETFE, and FKM materials, which are widely used in industries requiring high chemical resistance and electrical insulation.

- ▶ **PTFE:** Granules, powder, sheets, rods, and tubes
- ▶ **FEP:** Granules, powder, and films for coatings and insulation
- ▶ **PFA:** Granules and powders for high-temperature applications
- ▶ **PCTFE:** Films, sheets, and rods for seals and insulation
- ▶ **PVDF:** Granules and sheets for chemical and electrical applications
- ▶ **ETFE:** Films and coatings for high-strength, corrosion-resistant uses
- ▶ **FKM:** O-rings, gaskets, and seals for high-performance sealing

We supply raw materials to a variety of industries, including chemical, pharmaceutical, automotive, electronics, oil & gas, and packaging.

We would be happy to provide a detailed quotation based on your requirements and look forward to the opportunity to establish a business relationship with your company.

Thank you for your time, and we look forward to hearing from you.

Best regards

Mr. Henry Wu

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Part 1:

FEP ,PTFE, PFA, ETFE, PVDF,PCTFE RAW Materials

Comparison of Properties and Applications of Fluoropolymer Raw Materials (PTFE, ETFE, FEP, PFA, PVDF, PCTFE)

Property	PTFE	ETFE	FEP	PFA	PVDF	PCTFE
Temperature Resistance	-200°C to 260°C	-200°C to 150°C	-200°C to 200°C	-200°C to 260°C	-40°C to 150°C	-200°C to 150°C
Chemical Resistance	Excellent	Outstanding	Excellent	Excellent	Good	Excellent
Wear Resistance	Good	Outstanding	Good	Good	Moderate	Excellent
Melting Point	327°C	260°C	260°C	305°C	177°C	220°C
Processing Methods	Compression, Extrusion, Molding	Molding, Extrusion	Extrusion, Compression	Extrusion, Compression	Extrusion, Injection Molding	Extrusion, Compression
Mechanical Strength	Moderate	High	High	High	High	High
Electrical Insulation	Excellent	Good	Excellent	Excellent	Good	Excellent
Transparency	Opaque	Transparent	Transparent	Transparent	Translucent	Opaque
Applications	Chemical, Electronics, Medical	Structural Components, Membrane Materials	Chemical, Cable Insulation	Chemical, Medical, Food	Chemical, Electronics, Construction	Chemical, Electronics, Aerospace

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Notes:

- ▶ **FEP and PFA:** These two fluoroplastics have similar chemical and thermal stability, commonly used for cable insulation, coatings, and electrical applications.
- ▶ **PTFE:** The most widely used fluoroplastic, known for its excellent chemical resistance and high-temperature performance, extensively used in chemical and mechanical industries.
- ▶ **ETFE:** Known for good weather resistance and mechanical properties, ideal for high-strength, impact-resistant applications, such as structural components and membrane materials.
- ▶ **PVDF:** Often used in electrical, chemical, and medical industries, with good processability and corrosion resistance, commonly found in cables, pipes, and medical equipment.
- ▶ **PCTFE:** Known for low water absorption and excellent gas sealing properties, commonly used in chemical, electronic, and aerospace applications.

Pellets Resin

Power

Dispersion





PART2:

Product Offerings:

In addition to providing high-quality raw materials, we also offer a wide range of finished products made from these fluoropolymers, including:



Sheet
(PTFE/PVDF/FEP)



Rod
(PTFE/PVDF/PFA/PVDF)



Tube
(PTFE/PFA/FEP/PCTFE)



Gaskets
(PTFE/EPTFE)



PTFEtape



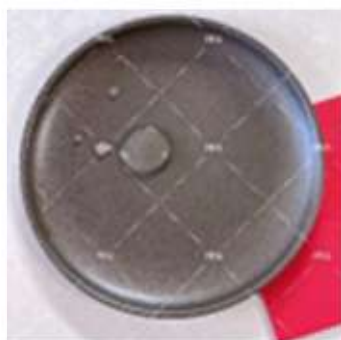
pipe liners(ptfe/pfa)



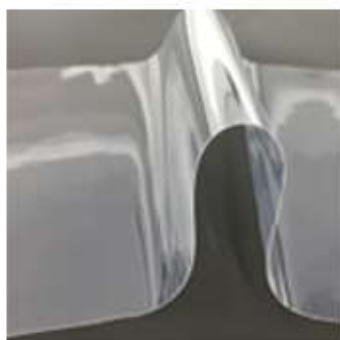
PTFE filter bag



Wire(FEP/PTFE/ETFE)



Coating(PTFE/PFA/FEP)



FEP FILM



Teflon Bearing



teflon scrap

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