

PTFE is a synthetic fluoropolymer that is used in various applications due to its unique properties, such as chemical resistance, high-temperature tolerance, and non-stick properties. PTFE is available in different forms, including granular, fine powder, and dispersion.

Product Overview

Product: PTFE Fine Powder Resin PF-2048F has excellent heat resistance, electrical insulation, and chemical permeability resistance.

Typical Applications: It is typically used to make thin tube, thin wall tube and wire, cable.

Availability: It is packed in a sealed PVC bag, and loaded in water content proof paper barrel. The net weight is (20±0.1) kg per barrel.

TYPICAL PROPERTIES OF PTFE Fine Powder Resin PF-2048F (Data not for specification purposes)

Properties	Test Method	Unit	PF-2048F
Appearance			White loose powder, no impurities
Tensile Strength, MPa ≥		MPa ≥	24.0
Elongation at Break, % ≥		% ≥	350
Moisture content, % ≤		% ≤	0.030
Bulk Density, g/L	ASTM D4895	g/L	475±100
Average Particle Size, μm	ASTM D4895	μm	400-575
Standard Relative Density			2.185-2.225
Melting Point, °C		°C	327±5
Thermal Instability Index, ≤		≤	50
Extrusion Pressure (RR 100:1) MPa	ASTM D4895	(RR 100:1) MPa	45.0-70.0
Extrusion Appearance			Continuous, straight, smooth ring

CERTIFICATION

- SGS Certification
- ROHS Certification
- REACH Certification
- SVHC Certification
- EU Approved

PRODUCT DESCRIPTION

PTFE Fine Powder Resin PF-2048F is a high-quality product made of polytetrafluoroethylene (PTFE) material. It has excellent chemical and thermal resistance properties, making it suitable for use in various forms such as films, tubes, and molded parts. It is used in a wide range of applications, including wire and cable insulation, gaskets, seals, and bearings, as well as cookware and bakeware.

STORAGE AND HANDLING

Not classified as hazardous for transport. During transportation and storage, avoid heavy shaking, and prevent solarization. It should stock in a clean, cool, and dry warehouse, to prevent agglomeration and contamination.

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