

TECHNICAL DATA**PTFE Granular Molding Resin PF-S300D**

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 Granular Molding Resin PF-S300D has excellent heat resistance, electrical insulation, and chemical permeability resistance.

Typical Applications: It is mainly used to make tubes, rods, plates, and seal material, etc.

Availability: It is packed in a sealed PVC bag, and loaded in water content proof paper barrel. The net weight is (25±0.1) kg per barrel.

TYPICAL PROPERTIES OF PTFE Medium Size Resin PF-S300D (Data not for specification purposes)

Properties	Test Method	Unit	PF-S300D
Appearance			White powder, no impurities
Tensile Strength, MPa ≥	GB/T 1040.0. HG/T 2902	MPa ≥	25.5
Elongation at Break, % ≥	GB/T 1040.0. HG/T 2902	% ≥	250
Bulk Density, g/L		g/L	400 ~ 600
Average Particle Size, μm	HG/T 2901	μm	150~300
Water Content			0.030
Melting Peak Temperature, °C	HG/T 2902	°C	327±5
Standard Specific Gravity	GB/T 1033.1		2.120~2.170
Thermal Instability Index			30

CERTIFICATION

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

PRODUCT DESCRIPTION

This high-quality resin is formulated with medium-sized particles to provide exceptional strength and durability and is highly resistant to chemicals, oils, solvents, and heat. It also has excellent electrical and thermal insulating properties, making it ideal for electrical applications, and its non-stick properties make it suitable for low-friction applications such as bearings, seals, and gaskets.

PROCESSING

PTFE Granular Molding Resin PF-S300D is typically processed through a compression molding process. The resin is heated and pressed into a specific shape using a mold. This process creates a finished product with a high degree of dimensional stability and resistance to wear and tear.

STORAGE AND HANDLING

Not classified as hazardous for transport. During transportation and storage, avoid heavy shaking, high temperatures, and below 0°C. After three months, shaking the drum every week to avoid a deposition.

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