

TECHNICAL DATA

PTFE Fine Powder PF-231

Product Overview

Product: PTFE Fine Powder PF-231 is a high-quality PFOA-free fine powder designed for paste-extrusion applications.

Typical Applications: It is mainly used for thick-wall tube and thin rod at low reduction ratios.

Availability: It is packed in two layers of plastic bags in a hard bucket. The net weight is 20 kg per bucket, and a product certificate is attached to each bucket.

TYPICAL PROPERTIES OF PTFE Fine Powder PF-231 (Data not for specification purposes)

Properties	Test Method	Unit	PF-231
Cleanliness	—	—	Excellent Grade
Bulk Density	—	g/L	475±100
Tensile Strength	—	MPa	≥24
Elongation at Break	—	%	≥300
Moisture Content	—	%	≤0.030
Standard Specific Gravity	—	—	2.160-2.180
Average Particle Size	—	μm	400-575
Maximum Reduction Ratio	—	—	1000:1
Extrusion Pressure	—	MPa	20.0-35.0 (400:1)
Thermal Instability Index	—	—	≤50

CERTIFICATION

- SGS Certification
- ROHS Certification
- REACH Certification
- SVHC Certification

PRODUCT DESCRIPTION

PTFE Fine Powder PF-231 is a PFOA-free fine-powder resin with suited to low-reduction-ratio paste extrusion. It provides the chemical resistance, heat resistance, electrical insulation and low-friction performance expected of PTFE. The grade is intended for thick-wall tube and thin rod at low reduction ratios.

PROCESSING

PTFE Fine Powder PF-231 is typically processed by paste extrusion. The recommended extrusion-pressure range is 20.0-35.0 (400:1), and the stated maximum reduction ratio is 1000:1. Actual processing conditions should be optimized for the equipment and finished-product geometry.

STORAGE AND HANDLING

1. The products shall be transported as non-dangerous chemical. During transportation, prevent from humidity, intense vibration and package damage.
2. Products should be stored in a clean, cool and dry warehouse to prevent the mixing of dust, moisture and other impurities.

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