

Fluoropolymer POLYFLON PTFE M-18

 TECHNICAL
DATASHEET

A fluoro resin suitable for large molding products with excellent mechanical properties.

Introduction

- POLYFLON M-18 is a polytetrafluoroethylene virgin granular fine cut resin.
- Compressing the powder and sintering are a general method for use due to its high melt viscosity.
- Suitable for **medium to large** compression molding with its large bulk density in the fine cut resins.
- The product shows excellent **mechanical properties**.

General physical properties

Items	Unit	Numeric Value	Test method
Average Particle Size	μm	50	ASTM D 4894
Bulk Density	g/L	450	ASTM D 4894
Std Specific Gravity	-	2.16	ASTM D 4894
Tensile Strength	MPa	52	ASTM D 4894
Elongation	%	380	ASTM D 4894
Shrinkage	%	3.1	50Φ × 50h nternal Method
Melt Peak Temperature (Initial)	℃	345	ASTM D 4894
Melt Peak Temperature (Second)	℃	327	ASTM D 4894

* The above numeric values are representative and not guaranteed.

Handling method/Safety information

- Be sure to read the notes on SDS and labels before use.
- This product is intended for general industry, and therefore its adequacy and safety as a raw material for medical purposes cannot be guaranteed.

Packing specification

- 25kg

For more information, visit our website.

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