

Fluoropolymer POLYFLON PTFE M-18

TECHNICAL
DATASHEET

POLYFLON PTFE M-18 is a fluoro resin suitable for large molding products with excellent mechanical properties.

Introduction

- POLYFLON PTFE 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 | Laser diffractometry |
| Bulk Density | g/L | 450 | ASTM D 4894 |
| Standard Specific Gravity | - | 2.16 | ASTM D 4894 |
| Tensile Strength | MPa | 52 | JIS K 6891 |
| Elongation | % | 380 | JIS K 6891 |
| Shrinkage | % | 3.1 | Internal Method (50Φ × 50h) |
| Melt Peak Temperature (Initial) | °C | 345 | DSC |
| Melt Peak Temperature (Second) | °C | 327 | DSC |

*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, contact us.

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