

Fluoropolymer POLYFLON PTFE M-12

 TECHNICAL
DATASHEET

POLYFLON PTFE M-12 is a fluoro resin suitable for thin - walled film and has excellent electrical insulating properties.

Introduction

- POLYFLON PTFE M-12 is a polytetrafluoroethylene virgin granular fine cut resin.
- This general purpose molding powder has been specifically designed for use in small to medium billet compression molding.
- It is particularly well suited to **thin skived film** applications requiring **excellent physical** and **electrical properties**.

General physical properties

| Items | Unit | Numeric Value | Test Method |
|---------------------------------|------|---------------|--------------------------------|
| Average Particle Size | µm | 50 | Internal Method |
| Bulk Density | g/L | 300 | ASTM D 4894 |
| Standard Specific Gravity | - | 2.15 | ASTM D 4894 |
| Tensile Strength | MPa | 55 | ASTM D 4894 |
| Elongation | % | 400 | ASTM D 4894 |
| Shrinkage | % | 3.3 | Internal Method (50Φ × 50h) |
| Melt Peak Temperature (Initial) | °C | 338 | ASTM D 4894 |
| Melt Peak Temperature (Second) | °C | 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.

DAIKIN INDUSTRIES, LTD.

<https://www.daikinchemicals.com/>