

## Fluoropolymer

# POLYFLON PTFE M-18

TECHNICAL  
DATASHEET

**POLYFLON PTFE M-18 is a fluororesin 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.

**Shenzhen Chuangxin Plastic Technology Co., Ltd.**

**Tel: +86 18676057437 E-mail: xl1797110736@163.com**

**<https://www.cxinplas.com>**