

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	58	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/>

tds-m-12-E_ver02_May_2021

Copyright (C) DAIKIN INDUSTRIES, LTD., 2021