

3M Dyneon™ TFM™ 2001 Modified PTFE Paste Extrusion Powder (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Extruded

Material Notes:

Type I, gr. 2 PTFE. Free flowing powder. Minimum reduction ratio is 20; Max is 1000. Average particle size 500µm. Modified PTFE fine powder product for paste extrusion applications. The modified PTFE paste extrusion grade, TFM 2001, combines the traditional attributes of first generation PTFE with benefits such as denser polymer structure and lower permeability; uniform mechanical properties; higher stress cracking resistance; higher pressure resistance under surge stress; and weldability. Dyneon TFM 2001 PTFE is an ideal material for the manufacture of high-performance tubing for hydraulic systems, fuel lines, flexible lines, conveying and transport tubing. Data provided by Dyneon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-TFM-2001-Modified-PTFE-Paste-Extrusion-Powder-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	2.15 g/cc	0.0777 lb/in ³	ASTM D4895
Apparent Bulk Density	0.450 g/cc	0.0163 lb/in ³	DIN 53466
Particle Size	500 µm	500 µm	ASTM D4895
Thickness	1600 microns	63.0 mil	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	34.0 MPa	4930 psi	ASTM D4895
Elongation at Break	400 %	400 %	ASTM D4895

Descriptive Properties	Value	Comments
Extrusion Pressure	3770 psi	reduction ratio 400; ASTM D4895
Reduction Ratio Range	20-1000:1	Dyneon Method

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