

3M Dyneon™ THV™ 400 Fluorothermoplastic (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer

Material Notes:

Data provided by the manufacturer, Dyneon LLC. This unique, melt-processable, tetrafluoroethylene, hexafluoropropylene, and vinylidene fluoride (THV) terpolymer provides a unique combination of performance and processing advantages. Its thermal decomposition in air (TGA) is 430°C. It is recommended for film, tube, and profile extrusion, wire coating, and blow and injection molding.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-THV-400-Fluorothermoplastic-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.97 g/cc	0.0712 lb/in³	
Melt Flow	10 g/10 min @Load 5.00 kg, Temperature 260 °C	10 g/10 min @Load 11.0 lb, Temperature 500 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	53	53	ASTM D2240
Tensile Strength, Ultimate	23.4 MPa	3390 psi	Measured on extruded film, ASTM D638
Elongation at Break	500 %	500 %	Measured on extruded film, ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	150 - 160 °C	302 - 320 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.1 @Frequency 1e+7 Hz	4.1 @Frequency 1e+7 Hz	
	5.9 @Frequency 100000 Hz	5.9 @Frequency 100000 Hz	

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