

3M Dyneon™ THV™ 200P Fluorothermoplastic, Powder Form (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 420°C. It is solvent soluble and recommended for cast films and coatings.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-THV-200P-Fluorothermoplastic-Powder-Form-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.95 g/cc	0.0704 lb/in ³	
Melt Flow	20 g/10 min @Load 5.00 kg, Temperature 260 °C	20 g/10 min @Load 11.0 lb, Temperature 500 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	44	44	ASTM D2240
Tensile Strength, Ultimate	24.1 MPa	3500 psi	Measured on extruded film, ASTM D638
Elongation at Break	600 %	600 %	Measured on extruded film, ASTM D638
Flexural Modulus	0.0830 GPa	12.0 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	115 - 257 °C	239 - 495 °F	ASTM D3418
Maximum Service Temperature, Air	>= 150 °C	>= 302 °F	E-beam cured high temperature resistance.

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.6	4.6	
	@Frequency 1e+7 Hz	@Frequency 1e+7 Hz	
	6.6	6.6	
	@Frequency 100000 Hz	@Frequency 100000 Hz	

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