

## 3M Dyneon™ THV™ 500 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 440°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-500-Fluorothermoplastic-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_3M-Dyneon-THV-500-Fluorothermoplastic-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.98 g/cc	0.0715 lb/in <sup>3</sup>	
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	54	54	ASTM D2240
Tensile Strength, Ultimate	22.7 MPa	3290 psi	Measured on extruded film, ASTM D638
Elongation at Break	500 %	500 %	Measured on extruded film, ASTM D638
Flexural Modulus	0.207 GPa	30.0 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	165 - 180 °C	329 - 356 °F	ASTM D3418
Oxygen Index	75 %	75 %	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.9	3.9	
	@Frequency 1e+7 Hz	@Frequency 1e+7 Hz	
	5.6	5.6	
	@Frequency 100000 Hz	@Frequency 100000 Hz	

**Contact Songhan Plastic Technology Co.,Ltd.**

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China