

3M Dyneon™ THV 500GZ Fluorothermoplastic Granules

Category : Polymer , Thermoplastic , Fluoropolymer

Material Notes:

THV 500G is a flexible, transparent fluoroplastic composed of tetrafluoroethylene, hexafluoropropylene, and vinylidene fluoride in the form of pellets. It provides a balance of low temperature processing, low flammability, thermal stability, and melt processability. It can be used to prepare molded parts and extruded films, tubes, profiles and wire coatings. It is useful for applications that require flexibility, low temperature processing and good chemical resistance. Features and Benefits: Excellent flexibility Processing profile allows coprocessing with olefinic plastics and hydrocarbon elastomers Excellent chemical and permeation resistance High transparency Low flammability Bondable to itself and other substrates (for multi-layer constructions) Information provided by Dyneon, A 3M Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-THV-500GZ-Fluorothermoplastic-Granules.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.00 g/cc	2.00 g/cc	ASTM D792
Melt Index of Compound	10 g/10 min @Load 5.00 kg, Temperature 265 °C	10 g/10 min @Load 11.0 lb, Temperature 509 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	28.0 MPa	4060 psi	ASTM D638
Elongation at Break	500 %	500 %	ASTM D638
Flexural Modulus	0.210 GPa	30.5 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ASTM D4591
Oxygen Index	>= 75 %	>= 75 %	ASTM D2863

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Descriptive Properties	Value	Comments
Form	Pellets	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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