

3M Dyneon™ THV 220G Fluorothermoplastic (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer

Material Notes:

THV 220G is a flexible, transparent fluoroplastic composed of tetrafluoroethylene, hexafluoropropylene, and vinylidene fluoride in the form of pellets. IT proves a balance of low temperature processing, low flammability, thermal stability, and melt processability. IT can be used to prepare extruded films, tubes, profiles, and wire coatings. It is useful for applications that require the highest level of flexibility, transparency, low temperature fusion or bonding capability with moderate chemical resistance. Laminated films of this product exhibit excellent weatherability and good anti-soiling properties. Information provided by Dyneon, A 3M Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-THV-220G-Fluorothermoplastic-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.95 g/cc	1.95 g/cc	ASTM D792
Melt Index of Compound	20 g/10 min	20 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 265 °C	@Load 11.0 lb, Temperature 509 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	ASTM D638
Elongation at Break	600 %	600 %	ASTM D638
Flexural Modulus	0.0800 GPa	11.6 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	120 °C	248 °F	ASTM D4591
Oxygen Index	>= 65 %	>= 65 %	ASTM D2863

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

Descriptive Properties	Value	Comments
Form	Pellets	

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