

3M Dyneon™ THV 340C Fluorothermoplastic (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer

Material Notes:

THV 340C is a flexible, transparent fluoroplastic composed of tetrafluoroethylene, hexafluoropropylene, and vinylidene fluoride in the form of concentrated water-based dispersion containing an ionic emulsifier. It provides a balance of low temperature processing, low flammability, thermal stability, and melt processability. It is designed for coating heat sensitive substrates such as polyester fabrics with its lower fusion temperature and high melt flow index to improve penetration and reflow. It provides a good balance of flexibility, weatherability, chemical resistance, and soil resistance properties in a water-based formulation. No plasticizers are added to achieve flexibility. Information provided by Dyneon, A 3M Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-THV-340C-Fluorothermoplastic-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.95 g/cc	1.95 g/cc	ASTM D792
Solids Content	50 %	50 %	
Melt Index of Compound	40 g/10 min @Load 5.00 kg, Temperature 265 °C	40 g/10 min @Load 11.0 lb, Temperature 509 °F	ASTM D1238

Thermal Properties	Metric	English	Comments
Melting Point	145 °C	293 °F	ASTM D4591

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

Descriptive Properties	Value	Comments
Form	Concentrated Water Dispersion	

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