

3M™ Dyneon™ Fluoroplastic THV 500GX4Z

Fluoroelastomer

3M Advanced Materials Division

Message:

Dyneon™ THV 500GX4 Z Fluorothermoplastic is a flexible, transparent fluoroplastic composed of tetrafluoroethylene, 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 extruded films, tubes, profiles, and wire coatings. It is useful for applications that require flexibility, low temperature processing and good chemical resistance.

General Information	
Features	Bondability
	Flame Retardant
	Good Chemical Resistance
	Good Flexibility
	Good Thermal Stability
	High Clarity
Uses	Coating Applications
	Film
	Profiles
	Tubing
	Wire & Cable Applications
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Film Extrusion
	Profile Extrusion
	Wire & Cable Extrusion

Physical	Nominal Value	Unit	Test Method
Density	2.00	g/cm ³	ISO 12086
Melt Mass-Flow Rate (MFR)	4.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	28.0	MPa	ISO 527-1
Tensile Strain (Break)	480	%	ISO 527-1
Flexural Modulus	210	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	165	°C	ISO 12086
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	> 75	%	ASTM D2863

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