

3M™ Dyneon™ Fluoroplastic THV 815GZ

Fluoroelastomer

3M Advanced Materials Division

Message:

Dyneon™ THV 815G Z Fluorothermoplastic provides a balance of low permeation, thermal stability and melt processability. It can be used to prepare molded parts and extruded film, tubes, profiles and wire coatings. It is useful for applications that require flexibility and good chemical resistance.

General Information	
Features	Bondability
	Good Chemical Resistance
	Good Flexibility
	Good Thermal Stability
	Medium Clarity
Uses	Coating Applications
	Film
	Profiles
	Tubing
	Wire & Cable Applications
Forms	Pellets
Processing Method	Film Extrusion
	Injection Molding
	Profile Extrusion
	Wire & Cable Extrusion

Physical	Nominal Value	Unit	Test Method
Density	2.06	g/cm ³	ISO 12086
Melt Mass-Flow Rate (MFR)	15	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	29.0	MPa	ISO 527-1
Tensile Strain (Break)	430	%	ISO 527-1
Flexural Modulus	525	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	225	°C	ISO 12086
Injection	Nominal Value	Unit	
Processing (Melt) Temp	270 to 290	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	270 to 290	°C	

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