

# 3M™ Dyneon™ Fluoroplastic FEP 6322HTZ

Perfluoroethylene Propylene Copolymer

3M Advanced Materials Division

Message:

Features

Dyneon™ FEP 6322 HT Z Fluorothermoplastic was designed primarily for high-speed extrusion for wire insulation. Its distinguishing features include:

- High extrusion speed
- High thermal stability
- Wide processing window
- Superior dielectrical properties
- Excellent low smoke and low flame properties
- Higher Melting Point (complies with VDE 0207 part 6 norm)

General Information			
Features	Copolymer		
	Good Electrical Properties		
	Good Thermal Stability		
	Low Smoke Emission		
Uses	Insulation		
	Wire & Cable Applications		
Forms	Pellets		
Processing Method	Wire & Cable Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	2.15	g/cm <sup>3</sup>	ISO 12086
Melt Mass-Flow Rate (MFR) (372°C/5.0 kg)	22	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	20.0	MPa	ISO 527-1
Tensile Strain (Break, 23°C)	300	%	ISO 527-1
Flexural Modulus (23°C)	580	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	260	°C	ISO 12086
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant			ASTM D150
23°C, 1 MHz	< 2.15		
23°C, 9.40 GHz	2.06		
Dissipation Factor			ASTM D150
1 MHz	< 9.0E-4		
9.40 GHz	4.0E-4		
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

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#### Recommended distributors for this material

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