

3M™ Dyneon™ Fluoroplastic ET 6210AZ

Ethylene Tetrafluoroethylene Copolymer

3M Advanced Materials Division

Message:

3M™ Dyneon™ Fluoroplastic ET 6210AZ is a melt processable fluoroplastic resin, consisting mainly of alternating tetrafluoroethylene and ethylene monomer units.

Features

- Wide service temperature range
- Low flammability
- Excellent electrical and mechanical properties
- Very good resistance to solvents and chemicals
- Extremely high resistance to outdoor weathering

General Information			
Features	Copolymer		
	Good Chemical Resistance		
	Good Electrical Properties		
	Good Weather Resistance		
	Solvent Resistant		
Forms	Agglomerate		
Physical	Nominal Value	Unit	Test Method
Density	1.73	g/cm³	ISO 12086
Melt Mass-Flow Rate (MFR) (297°C/5.0 kg)	8.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	69		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ISO 527-1
Tensile Stress (Break, 23°C)	46.0	MPa	ISO 527-1
Tensile Strain (Break, 23°C)	480	%	ISO 527-1
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	266	°C	ASTM D4591
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Oxygen Index	35	%	ASTM D2863

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