

3M™ Dyneon™ Fluoroplastic ET 6218Z

Ethylene Tetrafluoroethylene Copolymer

3M Advanced Materials Division

Message:

3M™ Dyneon™ Fluoroplastic ET 6218Z is a melt processable fluoroplastic resin, consisting mainly of alternating tetrafluoroethylene and ethylene monomer units.

Its excellent properties make 3M™ Dyneon™ Fluoroplastic ET 6218Z suitable for many different industrial application as well as electronics and chemical industry. It is very well suited for the production of filaments and thin-wall injection molding parts.

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		
Uses	Electrical/Electronic Applications		
	Filaments		
	Industrial Applications		
	Thin-walled Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.73	g/cm ³	ISO 12086
Melt Mass-Flow Rate (MFR) (297°C/5.0 kg)	18	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 Stress (Break, 23°C)	40.0	MPa	ISO 527-1
Tensile Strain (Break, 23°C)	350	%	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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