

3M Dyneon™ FEP 6307Z Fluorinated Ethylene Propylene Fluorothermoplastic Granules

Category : Polymer , Thermoplastic , Fluoropolymer , FEP

Material Notes:

Dyneon FEP 6307Z is offered for extrusion, injection molding and transfer molding for the wire and cable and chemical process industries. Their distinguishing features include: Excellent electrical properties High thermal stability Long term temperature rating up to 200°C Outstanding chemical resistance Wide processing window Information provided by Dyneon, A 3M Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-FEP-6307Z-Fluorinated-Ethylene-Propylene-Fluorothermoplastic-Granules.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.15 g/cc	2.15 g/cc	ASTM D792
Melt Index of Compound	7.0 g/10 min @Load 5.00 kg, Temperature 372 °C	7.0 g/10 min @Load 11.0 lb, Temperature 702 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	25.0 MPa	3630 psi	ASTM D638
Elongation at Break	350 %	350 %	ASTM D638
Flexural Modulus	0.580 GPa	84.1 ksi	ASTM D790
Izod Impact, Notched	NB @Temperature -40.0 °C	NB @Temperature -40.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ASTM D4591
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746
Flammability, UL94	V-0	V-0	
Oxygen Index	>= 95 %	>= 95 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Constant	<= 2.15 @Frequency 1000 - 1.00e+6 Hz	<= 2.15 @Frequency 1000 - 1.00e+6 Hz	ASTM D150
Dielectric Strength	102 kV/mm	2590 kV/in	4.5 mil film; ASTM D149

Electrical Properties	≤ 0.00030 Metric	≤ 0.00030 English	Comments
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	≤ 0.00070	≤ 0.00070	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

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