3M Dyneon™ PVDF 32008/0000 Polyvinylidene Fluoride (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF

Material Notes:

Copolymer of VF2 and CTFEUltra-flexibleVery low shrinkage ratesWide operating temperature windowProcessable using a variety of thermoplastic conversion techniquesInformation provided by Dyneon, A 3M Company

Order this product through the following link:
http://www.lookpolymers.com/polymer_3M-Dyneon-PVDF-320080000-Polyvinylidene-Fluoride-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.76 g/cc	0.0636 lb/in³	ISO 1183
Water Absorption	<= 0.040 %	<= 0.040 %	24 hr @ 23°C; ISO 62 (method 1)
Melt Index of Compound	5.0 g/10 min @Load 2.16 kg, Temperature 230 °C	5.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238
	15 g/10 min @Load 5.00 kg, Temperature 230 °C	15 g/10 min @Load 11.0 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	22.0 MPa	3190 psi	50mm/min; ASTM D638
Elongation at Break	475 %	475 %	50mm/min; ASTM D638
Flexural Modulus	0.200 GPa	29.0 ksi	2mm/min; ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	168 °C	334 °F	ASTM D3418
Brittleness Temperature	-37.0 °C	-34.6 °F	ASTM D746A
Oxygen Index	>= 44 % @Thickness 3.00 mm	>= 44 % @Thickness 0.118 in	Sheet; ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+14 ohm-cm	>= 1.00e+14 ohm-cm	10 mA, after 2 min; ASTM D257
Surface Resistivity per Square	>= 1.00e+14 ohm	>= 1.00e+14 ohm	< 1V after 2 min - 500 V; ASTM D257
Dielectric Constant	7.0 @Frequency 1e+6 Hz	7.0 @Frequency 1e+6 Hz	ASTM D150

Electrical Properties Descriptive Properties	Metric	English Value	Comments Comments
Form		Pellets	

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