

Perstorp Compounds AMITEC VXO UF/MF blend

Category : Polymer , Thermoset , Melamine

Material Notes:

A special Urea Formaldehyde/Melamine Formaldehyde blend that enhances surface properties and is optimized for cost-effective injection molding of visible components. Information provided by Perstorp Compounds Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Perstorp-Compounds-AMITEC-VXO-UFMF-blend.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	DIN 53 464

Mechanical Properties	Metric	English	Comments
Elongation at Break	2.4 %	2.4 %	ISO 178
Flexural Strength	>= 130 MPa	>= 18900 psi	ISO 178
Charpy Impact Unnotched	>= 1.40 J/cm ²	>= 6.66 ft-lb/in ²	ISO 179
Charpy Impact, Notched	>= 0.140 J/cm ²	>= 0.666 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 160 °C	>= 320 °F	ISO 175
Deflection Temperature at 8.0 MPa	>= 100 °C	>= 212 °F	ISO 175
Flammability, UL94	V-0	V-0	
Shrinkage	0.80 - 1.1 %	0.80 - 1.1 %	Post Shrinkage; DIN 53 464

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	DIN 53 483
Surface Resistance	>= 1.00e+10 ohm	>= 1.00e+10 ohm	DIN 53 482
Dielectric Constant	5.0	5.0	DIN 53 483
Dissipation Factor	<= 0.10 @Frequency 1000 Hz	<= 0.10 @Frequency 1000 Hz	tan delta; DIN 53 483
Comparative Tracking Index	>= 600 V	>= 600 V	IEC 112

Descriptive Properties	Value	Comments
Glow Bar 960°C 180 sec	BH2-8	IEC 707
Water Absorption [mg]	<200	DIN 53 495/23°C 96h

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