

Perstorp Compounds 371 Urea-Formaldehyde w/ cellulose filler

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Urea Formaldehyde, Molded, Cellulose Filled

Material Notes:

Information provided by Perstorp Compounds Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Perstorp-Compounds-371-Urea-Formaldehyde-w-cellulose-filler.php

Physical Properties	Metric	English	Comments
Linear Mold Shrinkage	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	DIN 53 464

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 55.0 MPa	>= 7980 psi	ISO 178
Flexural Strength	>= 105 MPa	>= 15200 psi	ISO 178
Charpy Impact Unnotched	>= 0.800 J/cm ²	>= 3.81 ft-lb/in ²	ISO 179
Charpy Impact, Notched	>= 0.160 J/cm ²	>= 0.761 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 130 °C	>= 266 °F	ISO 175
Deflection Temperature at 8.0 MPa	>= 90.0 °C	>= 194 °F	ISO 175
Flammability, UL94	V-1	V-1	
Oxygen Index	>= 30 %	>= 30 %	ASTM D2863
Shrinkage	0.90 - 1.4 %	0.90 - 1.4 %	Post Shrinkage; DIN 53 464

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+13 ohm-cm	>= 1.00e+13 ohm-cm	DIN 53 483
Surface Resistance	>= 1.00e+11 ohm	>= 1.00e+11 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
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Glow Bar 960°C 180 sec Descriptive Properties	Passes Value	IEC 707 Comments
Water Absorption [mg]	<250	DIN 53 495/23°C 96h

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