

Perstorp Compounds AMITEC 751 Melamine

Category : Polymer , Thermoset , Melamine , Melamine Formaldehyde, Molded, Unreinforced

Material Notes:

Perstorp dinnerware compression and injection grade. Porcelain like properties suitable for household applications. Information provided by Perstorp Compounds Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Perstorp-Compounds-AMITEC-751-Melamine.php

Physical Properties	Metric	English	Comments
Linear Mold Shrinkage	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	DIN 53 464

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 45.0 MPa	>= 6530 psi	ISO 178
Flexural Strength	>= 80.0 MPa	>= 11600 psi	ISO 178
Charpy Impact Unnotched	>= 0.500 J/cm ²	>= 2.38 ft-lb/in ²	1eU; ISO 179
Charpy Impact, Notched	>= 0.110 J/cm ²	>= 0.524 ft-lb/in ²	1eU; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 155 °C	>= 311 °F	ISO 175
Deflection Temperature at 8.0 MPa	>= 110 °C	>= 230 °F	ISO 175
Flammability, UL94	V-0	V-0	
Oxygen Index	>= 40 %	>= 40 %	ASTM D2863
Shrinkage	1.5 - 1.8 %	1.5 - 1.8 %	Post Shrinkage; DIN 53 464

Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1.00e+11 ohm	>= 1.00e+11 ohm	DIN 53 482
Dielectric Constant	5.0	5.0	DIN 53 483
Comparative Tracking Index	>= 500 V	>= 500 V	IEC 112

Descriptive Properties	Value	Comments
Acetic Acid Fa Emission	>3 mg/l	DIN 7708
Ethanol Fa Emission	>3 mg/l	DIN 7708

<small>Glow Bar 960°C 180 sec</small> Descriptive Properties	<small>passes</small> Value	<small>IEC 707</small> Comments
H2O Fa Emission	>3 mg/l	DIN 7708
Water Absorption [mg]	<200	DIN 53 495/23°C 96h

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