Raschig Group MELOPAS® 2010 MF Melamine

Category : Polymer , Thermoset , Melamine

Material Notes:

Organically and inorganically filled Melamine molding compound. Excellent surface hardness, good mechanical strength, good electrical properties. This product meets the allowed upper limits for heavy metals and PCAs and also conforms to the requirements of the EU directives 2002/95 (RoHS), 2002/96 (WEEE) and 2006/122 (PFOS).Processing: Injection and compression molding Primary application: Mountings for household appliances, car ash-traysInformation provided by Raschig Group

Order this product through the following link:
http://www.lookpolymers.com/polymer_Raschig-Group-MELOPAS-2010-MF-Melamine.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 - 1.70 g/cc	1.50 - 1.70 g/cc	ISO 1183
Apparent Bulk Density	0.550 - 0.750 g/cc	0.0199 - 0.0271 lb/in³	ISO 60
Water Absorption	<= 2.00 % @Temperature 23.0 °C, Time 86400 sec	<= 2.00 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62
Linear Mold Shrinkage, Flow	0.00500 - 0.0100 cm/cm	0.00500 - 0.0100 in/in	Compression; ISO 2577
	0.00800 - 0.0130 cm/cm	0.00800 - 0.0130 in/in	Injection; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength	40.0 - 65.0 MPa	5800 - 9430 psi	Compression; ISO 527
	50.0 - 90.0 MPa	7250 - 13100 psi	Injection; ISO 527
Modulus of Elasticity	5.00 - 8.00 GPa	725 - 1160 ksi	Injection and Compression; ISO 527
Flexural Strength	90.0 - 120 MPa	13100 - 17400 psi	Compression; ISO 178
	100 - 130 MPa	14500 - 18900 psi	Injection; ISO 178
Flexural Modulus	8.00 - 9.00 GPa	1160 - 1310 ksi	Injection and Compression; ISO 178
Compressive Strength	200 - 250 MPa	29000 - 36300 psi	ISO 604
Charpy Impact Unnotched	0.600 - 0.900 J/cm²	2.86 - 4.28 ft-lb/in²	Compression; ISO 179/1eU
	0.800 - 1.40 J/cm²	3.81 - 6.66 ft-lb/in²	Injection; ISO 179/1eU
Charpy Impact, Notched	0.140 - 0.200 J/cm²	0.666 - 0.952 ft-lb/in²	Compression; ISO 179/1eA
	0.150 - 0.200 J/cm²	0.714 - 0.952 ft-lb/in²	Injection; ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	15.0 - 35.0 µm/m-°C @Temperature 50.0 - 100 °C	8.33 - 19.4 µin/in-°F @Temperature 122 - 212 °F	ISO 11359-2
Thermal Conductivity	0.400 - 0.500 W/m-K	2.78 - 3.47 BTU-in/hr-ft²-°F	ASTM E1461
Maximum Service Temperature, Air	135 °C @Time 7.20e+7 sec	275 °F @Time 20000 hour	IEC 60216/T1
	160 °C @Time <=180000 sec	320 °F @Time <=50.0 hour	IEC 60216/T1
Deflection Temperature at 1.8 MPa (264 psi)	155 - 180 °C	311 - 356 °F	ISO 75-A
Deflection Temperature at 8.0 MPa	110 - 130 °C	230 - 266 °F	ISO 75-C
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	
Shrinkage	1.00 - 1.50 % @Temperature 110 °C, Time 605000 sec	1.00 - 1.50 % @Temperature 230 °F, Time 168 hour	Post shrinkage; ISO 2577

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 - 1.00e+12 ohm-cm	1.00e+11 - 1.00e+12 ohm-cm	IEC 60093
Surface Resistance	1.00e+10 - 1.00e+11 ohm	1.00e+10 - 1.00e+11 ohm	IEC 60093
Dielectric Constant	7.00 - 9.00 @Frequency 1.00e+6 Hz	7.00 - 9.00 @Frequency 1.00e+6 Hz	IEC 60250
	11.0 - 16.0 @Frequency 100 Hz	11.0 - 16.0 @Frequency 100 Hz	IEC 60250
Dielectric Strength	15.0 - 20.0 kV/mm	381 - 508 kV/in	IEC 60243-1
Dissipation Factor	0.0300 - 0.0500 @Frequency 1.00e+6 Hz	0.0300 - 0.0500 @Frequency 1.00e+6 Hz	IEC 60250
	0.300 - 0.500 @Frequency 100 Hz	0.300 - 0.500 @Frequency 100 Hz	IEC 60250

Electrical Properties	Metric	English	Comments
Arc Resistance	120 - 180 sec	120 - 180 sec	ASTM D495
Comparative Tracking Index	600 V	600 V	IEC 60112

Processing Properties	Metric	English	Comments
Shelf Life	6.00 Month @Temperature 15.0 - 25.0 °C	6.00 Month @Temperature 59.0 - 77.0 °F	

Descriptive Properties	Value	Comments
Glow wire flammability test	960/1	IEC 60695 2-12
Glow wire ignitability test	900/1	IEC 60695 2-13
Water Absorption	<115 mg	24 hr, 23°C; ISO 62

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China