

Bulk Molding Compounds BMC 6241 Glass Reinforced BMC

Category : Polymer , Thermoset , Polyester , TS , Thermoset Polyester Glass Filled BMC

Material Notes:

BMC 6241 is a glass fiber-reinforced material formulated specifically for molding of industrial lighting reflectors where adequate strength is required along with a high reflectivity. It is available in extruded preforms in weight and diameter tailored to meet the molder's requirements. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-6241-Glass-Reinforced-BMC.php

Physical Properties	Metric	English	Comments
Density	1.93 g/cc	0.0697 lb/in ³	Molded
Water Absorption	0.10 %	0.10 %	
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage	0.0025 - 0.0040 cm/cm	0.0025 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	35 - 45	35 - 45	
Tensile Strength	48.3 - 62.1 MPa	7000 - 9000 psi	
Flexural Strength	110 - 138 MPa	16000 - 20000 psi	
Compressive Strength	152 - 193 MPa	22000 - 28000 psi	
Izod Impact, Notched	1.60 - 2.67 J/cm	3.00 - 5.00 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 260 °C	>= 500 °F	
Flammability, UL94	V-0	V-0	
	@Thickness 6.35 mm	@Thickness 0.250 in	
	V-0	V-0	
	@Thickness 3.17 mm	@Thickness 0.125 in	
	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Optical Properties	Metric	English	Comments
Reflection Coefficient, Visible (0-1)	>= 0.92	>= 0.92	

Optical Properties	Metric	English	Comments
Dielectric Strength	13.4 - 15.0 kV/mm	340 - 380 kV/in	short time
Arc Resistance	180 - 190 sec	180 - 190 sec	

Electrical Properties	Metric	English	Comments
Processing Temperature	138 - 166 °C	280 - 330 °F	Molding

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