

Bulk Molding Compounds BMC 5307 Mineral Filled, Glass Reinforced Polyester

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Polyester, TS , Thermoset Polyester Glass and Mineral Filled BMC

Material Notes:

BMC 5307 molding compound is a mineral filled, glass fiber-reinforced polyester compound suitable for compression, transfer and stuffer injection molding. It is a medium impact material produced in extruded form for ease of handling. Other characteristics are good overall electrical properties and flame resistance. Typical applications include circuit breakers, transformer bobbins and motor end bells.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-5307-Mineral-Filled-Glass-Reinforced-Polyester.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.01 g/cc	2.01 g/cc	
Water Absorption	0.10 %	0.10 %	24 hours, 23°C
Linear Mold Shrinkage	0.0022 - 0.0040 cm/cm	0.0022 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	30 - 45	30 - 45	
Tensile Strength, Ultimate	55.2 - 68.9 MPa	8000 - 10000 psi	
Flexural Strength	110 - 138 MPa	16000 - 20000 psi	
Compressive Strength	152 - 179 MPa	22000 - 26000 psi	
Izod Impact, Notched	2.14 - 2.67 J/cm	4.00 - 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 1.59 mm	@Thickness 0.0625 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	13.8 kV/mm	350 kV/in	Short Time

Arc Resistance Electrical Properties	≥ 185 sec Metric	≥ 185 sec English	Comments
Comparative Tracking Index	≥ 600 V	≥ 600 V	

Processing Properties	Metric	English	Comments
Mold Temperature	138 - 177 °C	280 - 350 °F	

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