

Bulk Molding Compounds BMC 5436 Mineral Filled, Glass Reinforced Polyester

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

Material Notes:

BMC 5436 molding compound is a low cost, mineral filled, glass-fiber-reinforced polyester compound suitable for compression, transfer and stuffer injection molding. It is characterized by good moldability, medium impact strength and excellent overall electrical properties. 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-5436-Mineral-Filled-Glass-Reinforced-Polyester.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.04 g/cc	2.04 g/cc	
Water Absorption	0.14 %	0.14 %	24 hours, 23°C
Linear Mold Shrinkage	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	45 - 55	45 - 55	
Tensile Strength, Ultimate	27.6 - 41.4 MPa	4000 - 6000 psi	
Flexural Strength	110 - 138 MPa	16000 - 20000 psi	
Compressive Strength	193 - 228 MPa	28000 - 33000 psi	
Izod Impact, Notched	1.07 - 2.14 J/cm	2.00 - 4.00 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 260 °C	>= 500 °F	
Flammability, UL94	HB	HB	
	@Thickness 6.35 mm	@Thickness 0.250 in	
	HB	HB	
	@Thickness 3.17 mm	@Thickness 0.125 in	
	HB	HB	
	@Thickness 1.59 mm	@Thickness 0.0625 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	13.4 kV/mm	340 kV/in	Short Time

Arc Resistance Electrical Properties	≥ 180 sec Metric	≥ 180 sec English	Comments
Comparative Tracking Index	≥ 600 V	≥ 600 V	

Processing Properties	Metric	English	Comments
Mold Temperature	149 - 177 °C	300 - 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