

Bulk Molding Compounds BMC 2201 Mineral Filled Alkyd

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Polyester, TS , Alkyd (Polyester), Molded, Mineral Filler

Material Notes:

BMC 2201 molding compound is a mineral filled, glass-fiber-and nylon-floc reinforced alkyd compound suitable for compression and transfer molding. It was developed for applications requiring better abrasion resistance than that available with other BMC products

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-2201-Mineral-Filled-Alkyd.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.10 g/cc	2.10 g/cc	
Water Absorption	0.30 %	0.30 %	24 hours, 23°C
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	60 - 70	60 - 70	
Flexural Strength	103 - 138 MPa	15000 - 20000 psi	
Compressive Strength	152 - 200 MPa	22000 - 29000 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)	>= 232 °C	>= 450 °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 Constant	7.3	7.3	
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	12.2 kV/mm	310 kV/in	Short Time

Electrical Properties	0.040 Metric	0.040 English	Comments
	@Frequency 60 Hz	@Frequency 60 Hz	
Arc Resistance	>= 130 sec	>= 130 sec	
Comparative Tracking Index	>= 500 V	>= 500 V	

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

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