

## Bulk Molding Compounds BMC 2274 Mineral Filled, Glass Reinforced Polyester

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

### Material Notes:

BMC 2274 molding compound is a mineral filled, glass-fiber-reinforced polyester compound suitable for compression transfer and stuffer injection molding. It is a general-purpose material with medium impact strength and good overall electrical properties. Typical applications include slip rings, commutators and brush holders.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bulk-Molding-Compounds-BMC-2274-Mineral-Filled-Glass-Reinforced-Polyester.php](http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-2274-Mineral-Filled-Glass-Reinforced-Polyester.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.02 g/cc	2.02 g/cc	
Water Absorption	0.13 %	0.13 %	24 hours, 23°C
Linear Mold Shrinkage	0.0025 - 0.0040 cm/cm	0.0025 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	40 - 50	40 - 50	
Tensile Strength, Ultimate	34.5 - 48.3 MPa	5000 - 7000 psi	
Flexural Strength	110 - 138 MPa	16000 - 20000 psi	
Compressive Strength	152 - 179 MPa	22000 - 26000 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	13.0 kV/mm	330 kV/in	Short Time

Arc Resistance Electrical Properties	$\geq 180$ sec Metric	$\geq 180$ sec English	Comments
Comparative Tracking Index	$\geq 600$ V	$\geq 600$ V	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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