

## Bulk Molding Compounds BMC 6241 Glass Fiber Reinforced Compound

Category : Polymer , Thermoset , Filled/Reinforced 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 performs in weight and diameter tailored to meet the molder's requirements.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bulk-Molding-Compounds-BMC-6241-Glass-Fiber-Reinforced-Compound.php](http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-6241-Glass-Fiber-Reinforced-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.93 g/cc	1.93 g/cc	
Water Absorption	0.10 %	0.10 %	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	35 - 45	35 - 45	
Tensile Strength, Ultimate	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 1.59 mm	@Thickness 0.0625 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	13.4 - 15.0 kV/mm	340 - 380 kV/in	Short Time

Arc Resistance Electrical Properties	180 - 190 sec Metric	180 - 190 sec English	Comments
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Processing Properties	Metric	English	Comments
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Mold Temperature	138 - 166 °C	280 - 330 °F	
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Descriptive Properties	Value	Comments
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Luminous Reflectance, min.	92	
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## Contact Songhan Plastic Technology Co.,Ltd.

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