

Bulk Molding Compounds BMC 880 Medium Strength Molding Compound

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

Material Notes:

BMC 880 is a medium strength, low shrink molding compound designed for outdoor applications. This material is UL Listed 94-V0/5V and is UL approved for outdoor use. It can be supplied in bulk or extruded in pre-weighted slugs. Typical applications are outdoor lighting fixtures and grill shelves.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-880-Medium-Strength-Molding-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.75 - 1.90 g/cc	1.75 - 1.90 g/cc	
Water Absorption	0.10 - 0.20 %	0.10 - 0.20 %	24 hours, 23°C
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	45 - 55	45 - 55	
Tensile Strength, Ultimate	41.4 - 55.2 MPa	6000 - 8000 psi	
Flexural Strength	103 - 138 MPa	15000 - 20000 psi	
Flexural Modulus	11.7 - 13.1 GPa	1700 - 1900 ksi	
Compressive Strength	117 - 138 MPa	17000 - 20000 psi	
Izod Impact, Notched	2.14 - 3.74 J/cm	4.00 - 7.00 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
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Arc Resistance Electrical Properties	185 sec Metric	185 sec English	Comments
Processing Properties	Metric	English	Comments
Mold Temperature	138 - 166 °C	280 - 330 °F	

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