

## Bulk Molding Compounds BMC 1050 Thermoset Polyester

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

**Material Notes:**

BMC 1050 is a cosmetic, appliance grade material with superior heat stability. As with all other BMCI compounds, this Series can be supplied in logs, slugs or bulk. Typical applications are toaster end panels, iron skirts and lighting baffles.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bulk-Molding-Compounds-BMC-1050-Thermoset-Polyester.php](http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-1050-Thermoset-Polyester.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.95 - 2.05 g/cc	1.95 - 2.05 g/cc	
Water Absorption	0.12 - 0.18 %	0.12 - 0.18 %	24 hours, 23°C
Linear Mold Shrinkage	0.0015 - 0.0025 cm/cm	0.0015 - 0.0025 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	45 - 55	45 - 55	
Tensile Strength, Ultimate	34.5 - 48.3 MPa	5000 - 7000 psi	
Flexural Strength	82.7 - 110 MPa	12000 - 16000 psi	
Flexural Modulus	12.4 - 13.8 GPa	1800 - 2000 ksi	
Compressive Strength	124 - 138 MPa	18000 - 20000 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	

Electrical Properties	Metric	English	Comments
Dielectric Strength	13.8 kV/mm	350 kV/in	Short Time
Arc Resistance	185 sec	185 sec	

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

## **Contact Songhan Plastic Technology Co.,Ltd.**

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**