

## Bulk Molding Compounds BMC 1603 Multi-purpose grade

Category : Polymer , Thermoset , Polyester, TS

### Material Notes:

BMC 1603 is a multi-purpose, moderate strength, low cost material that is suitable for injection, compression and transfer molding. UL® recognized. This material was formerly known as Glastic® 1603.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bulk-Molding-Compounds-BMC-1603-Multi-purpose-grade.php](http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-1603-Multi-purpose-grade.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.95 - 2.01 g/cc	1.95 - 2.01 g/cc	
Water Absorption	0.17 - 0.23 %	0.17 - 0.23 %	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	40 - 50	40 - 50	
Tensile Strength, Ultimate	37.9 - 44.8 MPa	5500 - 6500 psi	
Flexural Strength	82.7 - 89.6 MPa	12000 - 13000 psi	
Flexural Modulus	11.7 - 13.1 GPa	1700 - 1900 ksi	
Compressive Strength	193 - 207 MPa	28000 - 30000 psi	
Izod Impact, Notched	2.14 - 2.67 J/cm	4.00 - 5.00 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 260 °C	>= 500 °F	
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Strength	17.2 kV/mm	436 kV/in	Short Time
Dissipation Factor	0.015	0.015	Condition A
	@Frequency 60 Hz	@Frequency 60 Hz	
Dissipation Factor	0.027	0.027	Condition D
	@Frequency 60 Hz	@Frequency 60 Hz	
	0.099	0.099	

Electrical Properties	Metric	English	Condition A Comments
	0.124	0.124	Condition D
	@Frequency 60 Hz	@Frequency 60 Hz	
Arc Resistance	182 sec	182 sec	
Track Resistance	8.33 sec	8.33 sec	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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