

## Mar-Bal MB1000-15 Thermoset Polyester Composite Molding Compound

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

### Material Notes:

A general purpose material that is easily customized. Designed for Powder Coating and Electrostatic painting. Mar-Bal standard grades can be injection, compression and transfer molded. Information provided by Mar-Bal, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Mar-Bal-MB1000-15-Thermoset-Polyester-Composite-Molding-Compound.php](http://www.lookpolymers.com/polymer_Mar-Bal-MB1000-15-Thermoset-Polyester-Composite-Molding-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.80 - 2.00 g/cc	1.80 - 2.00 g/cc	ASTM D792
Bulk Factor	1.0	1.0	ASTM D1895
Filler Content	15 %	15 %	Glass
Water Absorption	0.17 % @Time 86400 sec	0.17 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage	0.00050 - 0.0030 cm/cm	0.00050 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	35 - 45	35 - 45	ASTM D2583
Tensile Strength	48.3 - 62.1 MPa	7000 - 9000 psi	ASTM D638
Flexural Strength	124 - 145 MPa	18000 - 21000 psi	ASTM D790
Flexural Modulus	11.0 - 12.4 GPa	1600 - 1800 ksi	ASTM D790
Compressive Strength	124 - 152 MPa	18000 - 22000 psi	ASTM D695
Shear Strength	48.3 - 55.2 MPa	7000 - 8000 psi	ASTM D732
Izod Impact, Notched	2.14 - 3.20 J/cm	4.00 - 6.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 260 Å°C	>= 500 Å°F	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Strength	12.6 kV/mm	320 kV/in	ASTM D149

Arc Resistance Electrical Properties	$\geq 180$ sec Metric	$\geq 180$ sec English	ASTM D495 Comments
Track Resistance	3000 sec	3000 sec	Inclined-Plane Tracking; ASTM D2303

Descriptive Properties	Value	Comments
Listed File E80533	Yes	

## 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