

## Mar-Bal MB1000-25 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-MB1000-25-Thermoset-Polyester-Composite-Molding-Compound.php](http://www.lookpolymers.com/polymer_Mar-Bal-MB1000-25-Thermoset-Polyester-Composite-Molding-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.70 - 1.90 g/cc	1.70 - 1.90 g/cc	ASTM D792
Bulk Factor	3.0	3.0	ASTM D1895
Filler Content	25 %	25 %	Glass
Water Absorption	0.13 % @Time 86400 sec	0.13 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage	0.00050 - 0.0020 cm/cm	0.00050 - 0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	45 - 55	45 - 55	ASTM D2583
Tensile Strength	55.2 - 68.9 MPa	8000 - 10000 psi	ASTM D638
Flexural Strength	131 - 152 MPa	19000 - 22000 psi	ASTM D790
Flexural Modulus	11.0 - 11.7 GPa	1600 - 1700 ksi	ASTM D790
Compressive Strength	138 - 165 MPa	20000 - 24000 psi	ASTM D695
Shear Strength	48.3 - 62.1 MPa	7000 - 9000 psi	ASTM D732
Izod Impact, Notched	3.74 - 5.34 J/cm	7.00 - 10.0 ft-lb/in	ASTM D256

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

Electrical Properties	Metric	English	Comments
Dielectric Strength	14.0 kV/mm	355 kV/in	ASTM D149

Arc Resistance Electrical Properties	$\geq 140$ sec Metric	$\geq 140$ sec English	ASTM D495 Comments
Track Resistance	3000 sec	3000 sec	Inclined-Plane Tracking; ASTM D2303

Descriptive Properties	Value	Comments
Listed File E80533	No	

## Contact Songhan Plastic Technology Co.,Ltd.

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