

## Mar-Bal MB2000-10 Thermoset Polyester Composite Molding Compound

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

### Material Notes:

An excellent flame and track resistant material with excellent electrical and mechanical properties. Good dielectric strength and low shrink for close dimensional control. 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-MB2000-10-Thermoset-Polyester-Composite-Molding-Compound.php](http://www.lookpolymers.com/polymer_Mar-Bal-MB2000-10-Thermoset-Polyester-Composite-Molding-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.80 - 1.90 g/cc	1.80 - 1.90 g/cc	ASTM D792
Bulk Factor	1.0	1.0	ASTM D1895
Filler Content	10 %	10 %	Glass
Water Absorption	0.14 % @Time 86400 sec	0.14 % @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	31.0 - 37.9 MPa	4500 - 5500 psi	ASTM D638
Flexural Strength	89.6 - 110 MPa	13000 - 16000 psi	ASTM D790
Flexural Modulus	8.96 - 11.0 GPa	1300 - 1600 ksi	ASTM D790
Compressive Strength	117 - 131 MPa	17000 - 19000 psi	ASTM D695
Shear Strength	41.4 - 48.3 MPa	6000 - 7000 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 Â°C	>= 500 Â°F	ASTM D648
Flammability, UL94	V-0	V-0	

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

Electrical Properties	Metric	English	Comments
Arc Resistance	≥ 180 sec	≥ 180 sec	ASTM D495
Track Resistance	6000 sec	6000 sec	Inclined-Plane Tracking; ASTM D2303

Descriptive Properties	Value	Comments
Listed File E80533	Yes	

## Contact Songhan Plastic Technology Co.,Ltd.

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