

Mar-Bal MB1000-PC 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-PC-Thermoset-Polyester-Composite-Molding-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.90 - 2.10 g/cc	1.90 - 2.10 g/cc	ASTM D792
Bulk Factor	1.0	1.0	ASTM D1895
Water Absorption	0.17 % @Time 86400 sec	0.17 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage	0.00 - 0.0010 cm/cm	0.00 - 0.0010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	60 - 65	60 - 65	ASTM D2583
Tensile Strength	31.0 - 37.9 MPa	4500 - 5500 psi	ASTM D638
Flexural Strength	68.9 - 82.7 MPa	10000 - 12000 psi	ASTM D790
Flexural Modulus	8.96 - 11.0 GPa	1300 - 1600 ksi	ASTM D790
Compressive Strength	138 - 152 MPa	20000 - 22000 psi	ASTM D695
Shear Strength	68.9 - 75.8 MPa	10000 - 11000 psi	ASTM D732
Izod Impact, Notched	2.67 - 3.20 J/cm	5.00 - 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	

Descriptive Properties	Value	Comments
Listed File E80533	Yes	

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