

Mar-Bal MB2000-5 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-MB2000-5-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	5.0 %	5.0 %	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	25 - 35	25 - 35	ASTM D2583
Tensile Strength	27.6 - 34.5 MPa	4000 - 5000 psi	ASTM D638
Flexural Strength	55.2 - 75.8 MPa	8000 - 11000 psi	ASTM D790
Flexural Modulus	8.96 - 11.0 GPa	1300 - 1600 ksi	ASTM D790
Compressive Strength	96.5 - 110 MPa	14000 - 16000 psi	ASTM D695
Shear Strength	27.6 - 34.5 MPa	4000 - 5000 psi	ASTM D732
Izod Impact, Notched	0.801 - 1.33 J/cm	1.50 - 2.50 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	15.7 kV/mm	400 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.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China