

# Mar-Bal MB1000-15

Thermoplastic Polyester

Mar-Bal, Inc.

## Message:

A general purpose material that is easily customized. Designed for Powder Coating and Electrostatic painting.

General Information			
UL YellowCard	E80533-250690		
Filler / Reinforcement	Glass Fiber, 15% Filler by Weight		
Features	General Purpose		
Uses	Coating Applications		
	General Purpose		
	Paint		
UL File Number	E80533		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80 to 2.00	g/cm <sup>3</sup>	ASTM D792
Bulk Factor	1.0		ASTM D1895
Molding Shrinkage - Flow	0.050 to 0.30	%	ASTM D955
Water Absorption (24 hr)	0.17	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	35 to 45		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	48.3 to 62.1	MPa	ASTM D638
Flexural Modulus	11000 to 12400	MPa	ASTM D790
Flexural Strength	124 to 145	MPa	ASTM D790
Compressive Modulus	359000 to 372000	MPa	ASTM D695
Compressive Strength	124 to 152	MPa	ASTM D695
Shear Strength	48.3 to 55.2	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	210 to 320	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 260	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength <sup>1</sup>	13	kV/mm	ASTM D149
Arc Resistance	> 140	sec	ASTM D495
Inclined-Plane Tracking	> 500	min	ASTM D2303
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

## NOTE

1. Method A (Short-Time)

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### Recommended distributors for this material

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