

# Mar-Bal MB1000-10

Thermoplastic Polyester

Mar-Bal, Inc.

Message:

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

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	General Purpose		
Uses	Coating Applications		
	General Purpose		
	Paint		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.90 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 48		ASTM D2583

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	34.5 to 41.4	MPa	ASTM D638
Flexural Modulus	13800 to 15200	MPa	ASTM D790
Flexural Strength	96.5 to 110	MPa	ASTM D790
Compressive Modulus	331000 to 359000	MPa	ASTM D695
Compressive Strength	103 to 124	MPa	ASTM D695
Shear Strength	41.4 to 48.3	MPa	ASTM D732

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	130 to 190	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	> 180	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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