

# Mar-Bal MB1000-25

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,25% Filler by Weight		
Features	General Purpose		
Uses	Coating Applications		
	General Purpose		
	Paint		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.70 to 1.90	g/cm <sup>3</sup>	ASTM D792
Bulk Factor	3.0		ASTM D1895
Molding Shrinkage - Flow	0.050 to 0.20	%	ASTM D955
Water Absorption (24 hr)	0.13	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	45 to 55		ASTM D2583

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	55.2 to 68.9	MPa	ASTM D638
Flexural Modulus	11000 to 11700	MPa	ASTM D790
Flexural Strength	131 to 152	MPa	ASTM D790
Compressive Modulus	345000 to 372000	MPa	ASTM D695
Compressive Strength	138 to 165	MPa	ASTM D695
Shear Strength	48.3 to 62.1	MPa	ASTM D732

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	370 to 530	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>	14	kV/mm	ASTM D149
Arc Resistance	> 185	sec	ASTM D495
Inclined-Plane Tracking	> 1000	min	ASTM D2303

Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

NOTE			
1.	Method A (Short-Time)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

