

Mar-Bal MB2000-25

Thermoplastic Polyester

Mar-Bal, Inc.

Message:

An excellent flame and track resistant material with excellent electrical and mechanical properties. Good dielectric strength and low shrink for close dimensional control.

General Information			
UL YellowCard	E80533-250704		
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Flame Retardant		
	Good Dimensional Stability		
	Good Electrical Properties		
	Low Shrinkage		
	Tracking Resistant		
UL File Number	E80533		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.70 to 1.75	g/cm ³	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	40 to 50		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	58.6 to 68.9	MPa	ASTM D638
Flexural Modulus	11000 to 11700	MPa	ASTM D790
Flexural Strength	159 to 172	MPa	ASTM D790
Compressive Modulus	386000 to 414000	MPa	ASTM D695
Compressive Strength	138 to 172	MPa	ASTM D695
Shear Strength	68.9 to 82.7	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	530 to 640	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 ¹	> 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	V-0	UL 94
NOTE		

- 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

