

Mar-Bal MB3000-15

Thermoplastic Polyester

Mar-Bal, Inc.

Message:

A superior chemical resistant material with excellent flame and track resistance.

General Information			
UL YellowCard	E80533-250707		
Filler / Reinforcement	Glass Fiber, 15% Filler by Weight		
Features	Flame Retardant		
	Good Chemical Resistance		
	Tracking Resistant		
UL File Number	E80533		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80 to 1.85	g/cm ³	ASTM D792
Bulk Factor	1.5		ASTM D1895
Molding Shrinkage - Flow	0.050 to 0.30	%	ASTM D955
Water Absorption (24 hr)	0.12	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	40 to 50		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	37.9 to 41.4	MPa	ASTM D638
Flexural Modulus	9650 to 11000	MPa	ASTM D790
Flexural Strength	103 to 117	MPa	ASTM D790
Compressive Modulus	310000 to 338000	MPa	ASTM D695
Compressive Strength	124 to 138	MPa	ASTM D695
Shear Strength	55.2 to 62.1	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	270 to 370	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			

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

