

Mar-Bal MB3000-15NY

Thermoplastic Polyester

Mar-Bal, Inc.

Message:

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

General Information			
UL YellowCard	E80533-250708		
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	1.85 to 1.95	g/cm ³	ASTM D792
Bulk Factor	1.5		ASTM D1895
Molding Shrinkage - Flow	0.050 to 0.15	%	ASTM D955
Water Absorption (24 hr)	0.12	%	ASTM D570
Color ¹			
Change Under Heat (Bisque) : 149°C	1.0 to 1.5		
Change Under Heat (White) : 149°C	1.2 to 1.7		
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	45 to 55		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	34.5 to 41.4	MPa	ASTM D638
Flexural Modulus	12400 to 13100	MPa	ASTM D790
Flexural Strength	124 to 138	MPa	ASTM D790
Compressive Modulus	345000 to 379000	MPa	ASTM D695
Compressive Strength	96.5 to 110	MPa	ASTM D695
Shear Strength	55.2 to 62.1	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	430 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 ²	> 14	kV/mm	ASTM D149
Arc Resistance	> 185	sec	ASTM D495
Inclined-Plane Tracking	> 1000	min	ASTM D2303

Flammability	Nominal Value	Unit	Test Method
	V-0		
Flame Rating	5V		UL 94

NOTE			
1.	300 hrs		
2.	Method A (Short-Time)		

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Recommended distributors for this material

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