

Mar-Bal MB2000-20

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	E80533-250702		
Filler / Reinforcement	Glass Fiber,20% 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	1.75 to 1.80	g/cm ³	ASTM D792
Bulk Factor	2.0		ASTM D1895
Molding Shrinkage - Flow	0.050 to 0.20	%	ASTM D955
Water Absorption (24 hr)	0.12	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	35 to 45		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	34.5 to 55.2	MPa	ASTM D638
Flexural Modulus	11700 to 13800	MPa	ASTM D790
Flexural Strength	131 to 152	MPa	ASTM D790
Compressive Modulus	393000 to 421000	MPa	ASTM D695
Compressive Strength	138 to 165	MPa	ASTM D695
Shear Strength	62.1 to 75.8	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 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		

1. Method A (Short-Time)

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Recommended distributors for this material

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