

Mar-Bal MB2000-8

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	
---------------------	--

Filler / Reinforcement	Glass Fiber,8.0% Filler by Weight
Features	Flame Retardant Good Dimensional Stability Good Electrical Properties Low Shrinkage Tracking Resistant

Physical	Nominal Value	Unit	Test Method
----------	---------------	------	-------------

Specific Gravity	2.00 to 2.09	g/cm ³	ASTM D792
Bulk Factor	1.0		ASTM D1895
Molding Shrinkage - Flow	0.050 to 0.30	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
----------	---------------	------	-------------

Barcol Hardness	40 to 50		ASTM D2583
-----------------	----------	--	------------

Mechanical	Nominal Value	Unit	Test Method
------------	---------------	------	-------------

Tensile Strength	27.6 to 34.5	MPa	ASTM D638
Flexural Modulus	8270 to 10300	MPa	ASTM D790
Flexural Strength	68.9 to 82.7	MPa	ASTM D790
Compressive Modulus	345000 to 359000	MPa	ASTM D695
Compressive Strength	89.6 to 110	MPa	ASTM D695
Shear Strength	27.6 to 34.5	MPa	ASTM D732

Impact	Nominal Value	Unit	Test Method
--------	---------------	------	-------------

Notched Izod Impact	110 to 210	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
--------------	---------------	------	-------------

V-0

Flame Rating

5V

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

