

BMC 800

Thermoset Polyester
Bulk Molding Compounds, Inc.

Message:

BMC 800 is a Thermoset Polyester product filled with 20% glass fiber. It is available in North America. Applications of BMC 800 include engineering/industrial parts and marine applications.
Characteristics include:
Flame Rated
Good Weather Resistance

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Weather Resistance		
Uses	Marine Applications		
	Pump Parts		
Appearance	Colors Available		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.84	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D955
Water Absorption (24 hr)	0.050	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	40		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength (Yield)	124	MPa	ASTM D790
Compressive Strength	138	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	270	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
Volume Resistivity	1.5E+6	ohms · cm	ASTM D257
Dielectric Strength	16	kV/mm	ASTM D149
Arc Resistance (1.59 mm)	190	sec	ASTM D495
Comparative Tracking Index (CTI) (1.59 mm)	500	V	UL 746
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.59 mm)

5V

UL 94

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