

BMC 1000

Thermoset Polyester
Bulk Molding Compounds, Inc.

Message:

BMC 1000 is a Thermoset Polyester product filled with glass fiber. It is available in North America. Applications of BMC 1000 include food contact applications, household applications and kitchenware. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber		
Uses	Household Goods		
	Microwave Cookware		
Agency Ratings	FDA Unspecified Rating		
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 0.20	%	ASTM D955
Water Absorption (24 hr)	0.070	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	30		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength (Yield)	110	MPa	ASTM D790
Compressive Strength	110	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	204	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	16	kV/mm	ASTM D149
Arc Resistance (1.59 mm)	180	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	HB		UL 94

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