

BMC 1050

Thermoset Polyester
Bulk Molding Compounds, Inc.

Message:

BMC 1050 is a Thermoset Polyester product. It can be processed by extrusion and is available in North America.
Characteristics include:
Flame Rated
Heat Resistant

General Information			
Features	Good Thermal Stability		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.99	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Water Absorption (24 hr)	0.070	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	50		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.5	MPa	ASTM D638
Flexural Modulus	14500	MPa	ASTM D790
Flexural Strength (Yield)	87.5	MPa	ASTM D790
Compressive Strength	152	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)	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)	HB		UL 94

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