

BMC 310

Thermoset Polyester
Bulk Molding Compounds, Inc.

Message:

BMC 310 is a cosmetic and appliance grade material with superior heat and stain resistant properties. As with all other BMCI compounds, this Series can be supplied in logs, slugs or bulk. Typical applications are oven handles, vent trim and control panels.

General Information			
Features	High Heat Resistance		
	Stain Resistant		
Uses	Appliances		
	Cosmetics		
	Handles		
Forms	BMC - Bulk Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80 to 2.00	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.5E-4 to 4.0E-4	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.10 to 0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	40 to 55		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.5 to 55.2	MPa	ASTM D638
Flexural Modulus	11000 to 13800	MPa	ASTM D790
Flexural Strength	68.9 to 124	MPa	ASTM D790
Compressive Strength	124 to 152	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110 to 320	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	218 to 260	°C	ASTM D648
Flammability	Nominal Value	Test Method	
	V-0		
Flame Rating (3.18 mm)	5VA	UL 94	
Injection	Nominal Value	Unit	
Mold Temperature	138 to 166	°C	

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Recommended distributors for this material

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