

BMC 350

Thermoset Polyester

Bulk Molding Compounds, Inc.

Message:

BMC 350 is a high gloss cosmetic appliance grade material with excellent heat and stain resistant properties. As with all BMCI compounds, this series can be supplied in logs, slugs or bulk. Typical applications are small appliance components, large appliance control panels, bases, handles and vent trim.

General Information			
Filler / Reinforcement	Glass Fiber		
Features	High Gloss		
	Medium Heat Resistance		
	Stain Resistant		
Uses	Appliances		
	Handles		
	Pacifiers		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.85 to 1.95	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D955
Water Absorption (24 hr)	0.15 to 0.25	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	40 to 50		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.4 to 48.3	MPa	ASTM D638
Flexural Modulus	11000 to 12400	MPa	ASTM D790
Flexural Strength (Yield)	82.7 to 110	MPa	ASTM D790
Compressive Strength	124 to 138	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	160 to 270	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
Flame Rating (4.47 mm)	V-0		UL 94
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	138 to 166	°C	
Cylinder Zone 2 Temp.	138 to 166	°C	
Cylinder Zone 3 Temp.	138 to 166	°C	

Cylinder Zone 4 Temp.	138 to 166	°C
Cylinder Zone 5 Temp.	138 to 166	°C

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