

Technical Data Sheet

Bmc 350

Thermoset Polyester
LyondellBasell Industries
Engineering Plastics

Product Description

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.

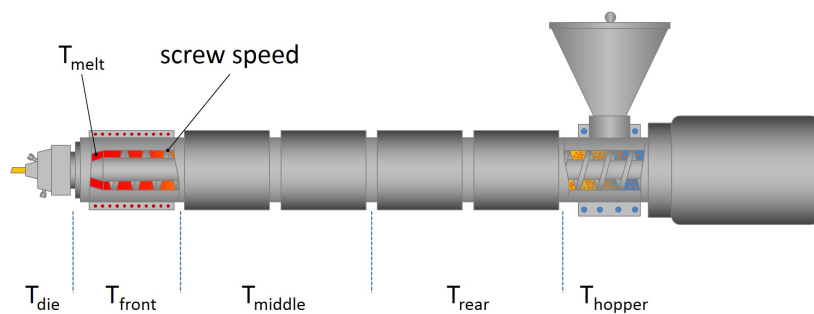
General			
Filler / Reinforcement	• Glass Fiber		
Features	• High Gloss	• Medium Heat Resistance	• Stain Resistant
Uses	• Appliances	• Handles	• Pacifiers
Forms	• Pellets		
Processing Method	• Extrusion		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.85 to 1.95	1.85 to 1.95 g/cm ³	ASTM D792
Water Absorption (24 Hr)	0.15 to 0.25 %	0.15 to 0.25 %	ASTM D570
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	6000 to 7000 psi	41.4 to 48.3 MPa	ASTM D638
Flexural Modulus	1.60E+6 to 1.80E+6 psi	11000 to 12400 MPa	ASTM D790
Flexural Strength (Yield)	12000 to 16000 psi	82.7 to 110 MPa	ASTM D790
Compressive Strength	18000 to 20000 psi	124 to 138 MPa	ASTM D695
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	3.0 to 5.0 ft·lb/in	160 to 270 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Barcol Hardness	40 to 50	40 to 50	ASTM D2583
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	425 to 500 °F	218 to 260 °C	ASTM D648
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.18 In (4.5 Mm))	V-0	V-0	UL 94

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Extrusion	Nominal Value (English)	Nominal Value (SI)
Cylinder Zone 1 Temp.	280 to 330 °F	138 to 166 °C
Cylinder Zone 2 Temp.	280 to 330 °F	138 to 166 °C
Cylinder Zone 3 Temp.	280 to 330 °F	138 to 166 °C
Cylinder Zone 4 Temp.	280 to 330 °F	138 to 166 °C
Cylinder Zone 5 Temp.	280 to 330 °F	138 to 166 °C

Notes

These are typical property values not to be construed as specification limits.