

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

Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Glass Fiber		
Features	• High Gloss	• Medium Heat Resistance	• Stain Resistant
Uses	• Appliances	• Handles	• Pacifiers
Forms	• Pellets		
Processing Method	• Extrusion		

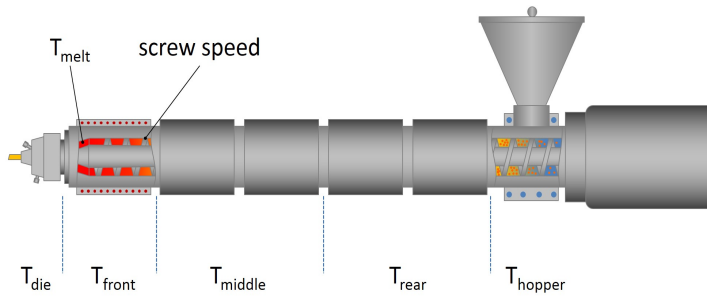
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.85 to 1.95	1.85 to 1.95 g/cm ³	ASTM D792
Water Absorption (24 hr)	0.15 to 0.25 %	0.15 to 0.25 %	ASTM D570
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	6000 to 7000 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.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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