

Technical Data Sheet

Bmc 324

Thermoset Polyester
LyondellBasell Industries
Engineering Plastics

Product Description

BMC 324 is a low profile, automotive grade molding compound that is suitable for injection, compression or transfer molding operations. BMC 324 can be metallized directly, without an initial base-coat. BMC 324 can be supplied in logs, slugs or bulk form. Typical applications include automotive headlamp and foglamp reflectors.

General			
Uses	• Automotive Applications		
Automotive Specifications	• CHRYSLER MS-DA-266 Type A CPN3923 Color: Natural		
Forms	• BMC - Bulk Molding Compound		
Processing Method	• Compression Molding	• Injection Molding	• Resin Transfer Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.90	1.90 g/cm ³	ASTM D792
Water Absorption (24 Hr, 73°F (23°C))	0.20 %	0.20 %	ASTM D570
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength	6000 psi	41.4 MPa	ASTM D638
Flexural Modulus	1.50E+6 psi	10300 MPa	ASTM D790
Flexural Strength	15000 psi	103 MPa	ASTM D790
Compressive Strength	18000 psi	124 MPa	ASTM D695
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	4.5 ft·lb/in	240 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Barcol Hardness	50	50	ASTM D2583
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	463 °F	239 °C	ASTM D648
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 In (1.6 Mm))	HB	HB	UL 94

Notes

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