Technical Data Sheet

Bmc 304

Thermoset Polyester
LyondellBasell Industries
Engineering Plastics

Product Description
BMC 304 is a low profile, automotive grade molding compound that is suitable for injection, compression or transfer molding operations. BMC 304 can be coated using traditional or electrostatic coating systems and demonstrates excellent adhesion characteristics. BMC 304 can be supplied in logs, slugs or bulk form. Typical applications include automotive headlamp and foglamp reflectors, and automotive body panels.

General			
Filler / Reinforcement	• Glass Fiber		
Features	• Good Adhesion		
Uses	• Automotive Applications		
Automotive Specifications	• CHRYSLER MS-DA-266 CPN3746 Color: Gray	• GM GMP.UP.014	
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/cm³	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	7000 psi	48.3 MPa	ASTM D638
Flexural Modulus	1.85E+6 psi	12800 MPa	ASTM D790
Flexural Strength	16000 psi	110 MPa	ASTM D790
Compressive Strength	19000 psi	131 MPa	ASTM D695
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact	5.5 ft·lb/in	290 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			ASTM D648
264 Psi (1.8 Mpa), Unannealed	463 °F	239 °C	
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.