

Technical Data Sheet

Bmc 8005

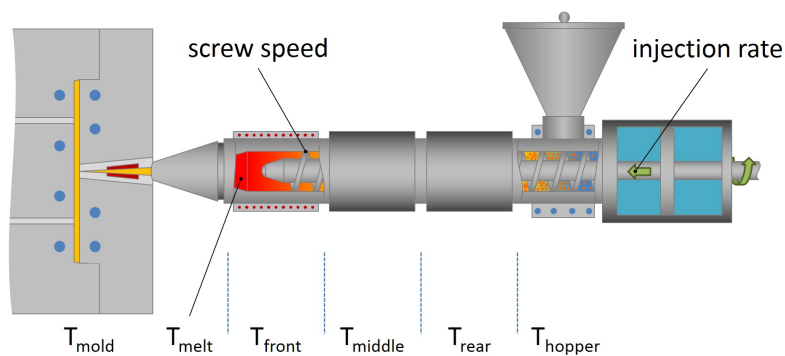
Thermoset Polyester
LyondellBasell Industries
Engineering Plastics

General			
Forms	• BMC - Bulk Molding Compound		
Processing Method	• Compression Molding		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	2.03	2.02 g/cm ³	ASTM D792
Water Absorption (24 Hr, 73°F (23°C))	0.16 %	0.16 %	ASTM D570
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, Compression Molded)	8000 psi	55.2 MPa	ASTM D638
Flexural Strength (Compression Molded)	22500 psi	155 MPa	ASTM D790
Compressive Strength	27500 psi	190 MPa	ASTM D695
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (Compression Molded)	5.0 ft·lb/in	270 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Barcol Hardness	58	58	ASTM D2583
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed, Compression Molded	500 °F	260 °C	ASTM D648
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Dielectric Strength	410 V/mil	16 kV/mm	ASTM D149
Arc Resistance	180 sec	180 sec	ASTM D495
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 In (1.6 Mm))	HB	HB	UL 94

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Injection	Nominal Value (English)	Nominal Value (SI)
Mold Temperature	280 to 330 °F	138 to 166 °C

Notes

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