

BMC 304

Thermoset Polyester

Bulk Molding Compounds, Inc.

Message:

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 Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Adhesion		
Uses	Automotive Applications		
Forms	BMC - Bulk Molding Compound		
Processing Method	Compression Molding		
	Injection Molding		
	Resin Transfer Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.90	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	0.20	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	50		ASTM D2583

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	48.3	MPa	ASTM D638
Flexural Modulus	12800	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Compressive Strength	131	MPa	ASTM D695

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	290	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	239	°C	ASTM D648

Flammability	Nominal Value	Test Method
Flame Rating (1.59 mm)	HB	UL 94

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