

BMC 880

Thermoset Polyester
Bulk Molding Compounds, Inc.

Message:

BMC 880 is a medium strength, low shrink molding compound designed for outdoor applications. This material is UL Listed 94-V0/5V and is UL approved for outdoor use. It can be supplied in bulk or extruded in pre -weighted slugs. Typical applications are outdoor lighting fixtures and grill shelves.

General Information			
Features	Low Shrinkage		
	Medium Strength		
Uses	Outdoor Applications		
Forms	BMC - Bulk Molding Compound		
Processing Method	Compression Molding		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.82	g/cm ³	ASTM D792
Molding Shrinkage - Flow (Compression Molded)	1.0E-4 to 3.0E-4	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.15	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	50		ASTM D2583

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	48.3	MPa	ASTM D638
Flexural Modulus (Compression Molded)	12400	MPa	ASTM D790
Flexural Strength (Compression Molded)	121	MPa	ASTM D790
Compressive Strength	128	MPa	ASTM D695

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	290	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, Compression Molded)	260	°C	ASTM D648

Electrical	Nominal Value	Unit	Test Method
Arc Resistance	185	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method

Flame Rating

5V

UL 94

Injection

Nominal Value

Unit

Mold Temperature

138 to 166

°C

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Recommended distributors for this material

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