Technical Data Sheet

Bmc 880

Thermoset Polyester
LyondellBasell Industries
Engineering Plastics

Product Description
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		
Features	• Low Shrinkage	• Medium Strength
Uses	• Outdoor Applications	
Forms	• BMC - Bulk Molding Compound	
Processing Method	• Compression Molding	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.83	1.82 g/cm³	ASTM D792
Water Absorption (24 Hr, 73°f (23°c))	0.15 %	0.15 %	ASTM D570
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield, Compression Molded)	7000 psi	48.3 MPa	ASTM D638
Flexural Modulus (Compression Molded)	1.80E+6 psi	12400 MPa	ASTM D790
Flexural Strength (Compression Molded)	17500 psi	121 MPa	ASTM D790
Compressive Strength	18500 psi	128 MPa	ASTM D695
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (Compression Molded)	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, Compression Molded	500 °F	260 °C	
Electrical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Arc Resistance	185 sec	185 sec	ASTM D495
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Flame Rating	• V-0 • 5V	• V-0 • 5V	UL 94

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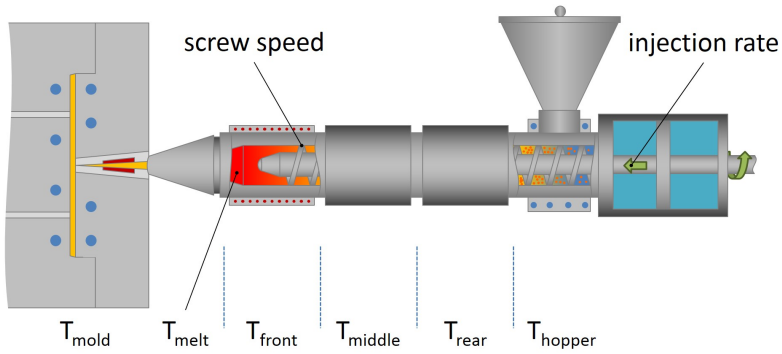

Injection	Nominal Value (English)	Nominal Value (SI)
Mold Temperature	280 to 330 °F	138 to 166 °C

Notes

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