

BMC 1100 CoreLyn

Thermoset Polyester

Bulk Molding Compounds, Inc.

Message:

BMC 1100, also known as CoreLyn, is a food contact safe material with excellent scratch and stain resistant properties. CoreLyn can be pigmented to match virtually any color. This glass fiber-reinforced polyester compound is suitable for compression, transfer and stuffer injection molding. As with all other BMC, Inc. compounds, CoreLyn can be supplied in logs, slugs or bulk. Typical applications are microwave dishware and serving trays.

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Food Contact Acceptable		
	Scratch Resistant		
	Stain Resistant		
Uses	Support Trays		
Appearance	Colors Available		
Forms	BMC - Bulk Molding Compound		
Processing Method	Compression Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.90	g/cm ³	ASTM D792
Molding Shrinkage - Flow (Compression Molded)	2.0E-4 to 4.0E-4	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	65		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	37.9	MPa	ASTM D638
Flexural Modulus (Compression Molded)	13100	MPa	ASTM D790
Flexural Strength (Compression Molded)	96.5	MPa	ASTM D790
Compressive Strength	124	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, Compression Molded)	204	°C	ASTM D648
Injection	Nominal Value	Unit	
Mold Temperature	160 to 182	°C	

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Recommended distributors for this material

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