

## Bulk Molding Compounds BMC 1100 Corelyn Glass Fiber Reinforced Polyester Compound

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Polyester, TS , Thermoset Polyester Glass and Mineral Filled BMC

### Material Notes:

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.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bulk-Molding-Compounds-BMC-1100-Corelyn-Glass-Fiber-Reinforced-Polyester-Compound.php](http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-1100-Corelyn-Glass-Fiber-Reinforced-Polyester-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.80 - 2.00 g/cc	1.80 - 2.00 g/cc	
Water Absorption	0.20 - 0.40 %	0.20 - 0.40 %	24 hours, 23°C
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	60 - 70	60 - 70	
Tensile Strength, Ultimate	27.6 - 48.3 MPa	4000 - 7000 psi	
Flexural Strength	82.7 - 110 MPa	12000 - 16000 psi	
Flexural Modulus	11.7 - 14.5 GPa	1700 - 2100 ksi	
Compressive Strength	110 - 138 MPa	16000 - 20000 psi	
Izod Impact, Notched	1.07 - 2.67 J/cm	2.00 - 5.00 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 204 °C	>= 400 °F	
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Mold Temperature	160 - 182 °C	320 - 360 °F	

**Contact Songhan Plastic Technology Co.,Ltd.**

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