Premi-Ject® 1101V-15

Bulk Molding Compound

PRODUCT DESCRIPTION

Glass fiber reinforced Polyester BMC suitable for

GENERAL		
Material Status	• Commercial: Active	
Availability	• North America • Asia Pacific	• Europe • South America
Filler/Reinforcement	• Glass Fiber and mineral filler	
Features	• Excellent thermal resistance • UL Recognized—File E69414	• Non-Halogen FR technology • UL94-V0 @ 1.6 mm
Processing Method	• This BMC product is generally intended to be compression or injection molded in matched metal die molds, typically at 300°F (150°C) and 500 to 1,000 psi (35-65 BAR) molding pressure. Strength values may be affected by the molding process.	
Resin	• Unsaturated Polyester Composite	

PHYSICAL	Typical	Unit	Test Method
Density	1.95-2.05	g/cm^3	ASTM D792
Mold Shrinkage (RT mold/RT part)	0.0020-0.0040	in/in	ASTM D955
Poisson's Ratio	0.36		ASTM D638

MECHANICAL (As molded)	Typical	Unit	Test Method
Tensile Modulus	2.0 x 10^6 (14)	psi (GPa)	ASTM D638
Tensile Strength	6,500 (45)	psi (MPa)	ASTM D638
Flexural Modulus (RT)	1.4 x 10^6 (9.6)	psi (GPa)	ASTM D790
Flexural Strength	14,000 (96)	psi (MPa)	ASTM D790

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IMPACT	Typical	Unit	Test Method
Izod Notched Impact Strength	8 (425)	ft-lb/in (J/m)	ASTM D256
Unnotched Impact Strength	11 (600)	ft-lb/in (J/m)	ASTM D4812

THERMAL	Typical	Unit	Test Method
UL RTI, Electrical	221 (105)	°F (°C)	UL 746C
UL RTI, Mechanical with Impact	266 (130)	°F (°C)	UL 746C
UL RTI, Mechanical without Impact	266 (130)	°F (°C)	UL 746C

FLAMMABILITY	Typical	Unit	Test Method
Flammability	Pass 0.0625 (1.60)	in (mm)	UL94 V-0

ELECTRICAL	Typical	Unit	Test Method
Dielectric Strength	330 (13)	Volts/mil (kV/mm)	ASTM D149
Arc Track Resistance	240+	seconds	ASTM D495

UL File Number E69414

For additional information, please contact:

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