

Bulk Molding Compounds BMC 605LWR Mineral Filled, Glass Fiber Reinforced Polyester Compound

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

Material Notes:

BMC 605LWR is a mineral filled, glass fiber reinforced polyester bulk molding compound suitable for compression, transfer and stuffer injection molding. It is designed to provide improved wear resistance compared to standard BMC605.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-605LWR-Mineral-Filled-Glass-Fiber-Reinforced-Polyester-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.87 g/cc	1.87 g/cc	
Water Absorption	0.10 %	0.10 %	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	15 - 20	15 - 20	
Tensile Strength, Ultimate	27.6 - 48.3 MPa	4000 - 7000 psi	
Flexural Strength	82.7 - 110 MPa	12000 - 16000 psi	
Compressive Strength	117 - 138 MPa	17000 - 20000 psi	
Izod Impact, Notched	1.60 - 2.67 J/cm	3.00 - 5.00 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 260 °C	>= 500 °F	
Flammability, UL94	V-0	V-0	
	@Thickness 6.35 mm	@Thickness 0.250 in	
	V-0	V-0	
	@Thickness 3.17 mm	@Thickness 0.125 in	
	V-0	V-0	
	@Thickness 1.59 mm	@Thickness 0.0625 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	11.8 - 13.0 kV/mm	300 - 330 kV/in	Short Time

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	>= 600 V	>= 600 V	

Processing Properties	Metric	English	Comments
Mold Temperature	138 - 166 °C	280 - 330 °F	

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