BMC 605LWR

Thermoset Polyester

Bulk Molding Compounds, Inc.

Message:

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. BMC 605LWR is produced in extruded form in a range of industrial colors. It is available in logs up to 12 inches in length or as precut slugs of specific weight, in diameters 1" to 2 ½" . Within this range, smaller diameters are supplied as multiple extrusions and weight tolerances are plus or minus 5 %, up to a maximum of plus or minus 15 grams.

General Information	
Filler / Reinforcement	Glass\Mineral
Features	Flame Retardant Good Electrical Properties Good Moldability Good Wear Resistance Medium Impact Resistance
Appearance	Colors Available
Forms	BMC - Bulk Molding Compound
Processing Method	Compression Molding Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.87	g/cm³	ASTM D792
Molding Shrinkage - Flow (Compression Molded)	0.20 to 0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Barcol Hardness	18		ASTM D2583
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, Compression Molded)	37.9	MPa	ASTM D638
Flexural Strength (Compression Molded)	96.5	MPa	ASTM D790
Compressive Strength	128	MPa	ASTM D695
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (Compression Molded)	210	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed, Compression Molded)	260	°C	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Dielectric Strength [1]	12	kV/mm	ASTM D149

Arc Resistance	180	sec	ASTM D495
Comparative Tracking Index (CTI)	600	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.59 mm	V-0		
3.18 mm	V-0		
6.35 mm	V-0		
Injection	Nominal Value	Unit	
Mold Temperature	138 to 166	°C	
NOTE			
1.	Method A (Short-Time)		

Recommended distributors for this material

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