

# Glastic® 1605

Thermoset Polyester

Bulk Molding Compounds, Inc.

## Message:

Grade 1605 is an excellent low-cost HB material with low shrink and medium strength. Has excellent surface finish and gloss. Can be injection, compression or transfer molded.

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Electrically Insulating		
	Flame Retardant		
	Good Electrical Properties		
	Good Surface Finish		
	High Gloss		
Uses	High Strength		
	Appliance Components		
	Electrical Parts		
	Electrical/Electronic Applications		
UL File Number	E23525		
Appearance	Black		
	Colors Available		
	White		
Forms	BMC - Bulk Molding Compound		
Processing Method	Compression Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.94	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	0.25	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	53.4	MPa	ASTM D638
Flexural Modulus (Compression Molded)	12400	MPa	ASTM D790
Flexural Strength (Compression Molded)	145	MPa	ASTM D790
Compressive Strength	138	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	400	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	17	kV/mm	ASTM D149
Arc Resistance	181	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
	HB		
Flame Rating	V-0		UL 94

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Recommended distributors for this material

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