

# BMC 6605A

Thermoset Polyester  
Bulk Molding Compounds, Inc.

Message:

BMC 6605A is a Thermoset Polyester product. It can be processed by compression molding and is available in North America. Primary characteristic: flame rated.

General Information			
Forms	BMC - Bulk Molding Compound		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.88	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (Compression Molded)	0.13 to 0.35	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	30		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	55.2	MPa	ASTM D638
Flexural Strength (Compression Molded)	121	MPa	ASTM D790
Compressive Strength	155	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, Compression Molded)	204	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength <sup>1</sup>	17	kV/mm	ASTM D149
Arc Resistance	180	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Mold Temperature	138 to 166	°C	
NOTE			

1. Method A (Short-Time)

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