

# BMC G10(12)

Thermoset Polyester  
Bulk Molding Compounds, Inc.

Message:

BMC G10(12) is a thermosetting polyester product. It is available in North America. Typical application areas are: automotive industry. The main characteristics are: flame retardant/rated flame.

General Information			
Uses	Application in Automobile Field		
Appearance	White		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.16	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.22 - 0.42	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	65		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	56.4	MPa	ASTM D638
Flexural Modulus	8270	MPa	ASTM D790
Flexural Strength (Yield)	117	MPa	ASTM D790
Compressive Strength	149	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	230	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	14	kV/mm	ASTM D149
Arc Resistance	181	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.52 mm	HB		UL 94
2.22 mm	HB		UL 94
3.11 mm	HB		UL 94
Additional Information			
Barcol Hardness, ASTM D2583: 60 to 70UL Flame Rating, UL 94, 0.058 to 0.062 in: HBUL Flame Rating, UL 94, 0.075 to 0.1 in: HBUL Flame Rating, UL 94, 0.120 to 0.125 in: HB			
NOTE			
1.	Type 1		

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Recommended distributors for this material

# Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

