

# BMC A50 (MS)

Thermoset Polyester  
Bulk Molding Compounds, Inc.

Message:

BMC A50 (MS) is a thermosetting polyester product. It is available in North America. Typical application areas are: electrical appliances. The main characteristics are: flame retardant/rated flame.

General Information			
Uses	Electrical appliances		
Appearance	Available colors		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.93	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.25 - 0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	35		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	54.5	MPa	ASTM D638
Flexural Modulus	8960	MPa	ASTM D790
Flexural Strength (Yield)	114	MPa	ASTM D790
Compressive Strength	148	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	320	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	15	kV/mm	ASTM D149
Arc Resistance	191	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.52 mm	V-0		UL 94
2.22 mm	V-0		UL 94
3.11 mm	V-0		UL 94
Additional Information			
Barcol Hardness, ASTM D2583: 30 to 40UL Flame Rating, UL 94, 0.058 to 0.062 in: V-0UL Flame Rating, UL 94, 0.075 to 0.1 in: V-0UL Flame Rating, UL 94, 0.120 to 0.125 in: V-0			
NOTE			
1.	Type 1		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

