

## Bulk Molding Compounds BMC 1902 Mineral Filled Alkyd

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Polyester, TS , Alkyd (Polyester), Molded, Mineral Filler

### Material Notes:

BMC 1902 molding compound is a mineral filled, glass-fiber-reinforced alkyd compound suitable for compression molding. It was developed primarily for applications requiring very good impact and flexural strengths. Typical applications include phase barriers, connector bases, switch cases and circuit breaker handles

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bulk-Molding-Compounds-BMC-1902-Mineral-Filled-Alkyd.php](http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-1902-Mineral-Filled-Alkyd.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.08 g/cc	2.08 g/cc	
Water Absorption	0.23 %	0.23 %	24 hours, 23°C
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	60 - 80	60 - 80	
Flexural Strength	145 - 179 MPa	21000 - 26000 psi	
Compressive Strength	152 - 179 MPa	22000 - 26000 psi	
Izod Impact, Notched	2.14 - 3.20 J/cm	4.00 - 6.00 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 260 °C	>= 500 °F	
Flammability, UL94	HB	HB	
	@Thickness 6.35 mm	@Thickness 0.250 in	
	HB	HB	
	@Thickness 3.17 mm	@Thickness 0.125 in	
	HB	HB	
	@Thickness 1.59 mm	@Thickness 0.0625 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	7.1	7.1	
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	11.8 kV/mm	300 kV/in	Short Time

Electrical Properties	Metric	English	Comments
Dissipation Factor	@Frequency 60 Hz	@Frequency 60 Hz	
Arc Resistance	180 sec	180 sec	
Comparative Tracking Index	>= 500 V	>= 500 V	

Processing Properties	Metric	English	Comments
Mold Temperature	138 - 166 °C	280 - 330 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China