



## BMC100

**Product Name: BMC100**

Date issued: 23.11.2019

Version: 8

### **Product description:**

BMC100 is a bulk molding compound based on unsaturated polyester resin reinforced with glass fibers and mineral fillers, which is an electrical grade with wide applications in electrical and fire retardant parts with good insulation properties. These compounds mould to parts with good surface quality and due to its high temperature resistance and good dimensional stability as well as low coefficient expansion, complex shapes and good reflective properties could be easily achieved.

The product is high temperature medium pressure compression molded and it is recommended to work with Chrome plate tools. The product contains no halogens or heavy metals.

### **Physical Properties:**

Properties	Range	Unit	TM
Density	1.85±0.1	g/cm <sup>3</sup>	ISO 1183
Glass fiber content	12±2	%	ISO 1172
Flexural Strength	35	MPa	ASTM D790
Flexural Modulus	8500	MPa	ASTM D790
Impact Strength	10	KJ/m <sup>2</sup>	ISO 179
Tensile Strength	20	MPa	ASTM D638
HDT	>200	°C	ASTMD648
Water Absorption	<50	mg/1Day	ASTM D570
Curing Time	60	Sec/mm	-
Molding Temperature	140-160	°C	-
Molding Pressure	80-100	Bar	-
Shrinkage	0.15±0.03	%	DIN 53464
Volume Resistivity	10 <sup>15</sup>	ohm.com	IEC 60063
Di-electric strength	10-12	KV/mm	IEC 60243-1
Comp. tracking index	600	CTI	IEC60112
Fire retardancy	4, V0	mm	UL94
Color	7035	RAL	

### **Form of supply:**

BMC 100 is packed in styrene tight 10 kg bags and placed in cardboard or wooden boxes. Various kind of packaging is available. For further details, call our technical service team. It is available in all colors.

### **Storage:**

Recommended storage temperature is between 15-20 °C and the product should be kept away from direct sunlight.

### **Contact information**

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