



BMC500

Product Name: BMC500

Date issued: 23.11.2019

Version: 7

Product description:

BMC500 is a bulk molding compound based on unsaturated polyester resin reinforced with glass fibers and mineral fillers. BMC500 is a general purpose grade with a very large scope of application such as insulating roll, small to medium boxes, small covers, canopies and many other usages. The glass fiber content is on a level that combines good mold ability in both compression and injection tools with good strength and stiffness properties. The compound moulds 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, good dielectric and mechanical properties could be easily achieved. The product would be available in a wide color range.

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	1.95±0.1	g/cm ³	ISO 1183
Glass fiber content	12±2	%	ISO 1172
Flexural Strength	50	MPa	ASTM D790
Flexural Modulus	8500	MPa	ASTM D790
Impact Strength	15	KJ/m ²	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
Color	Typical	RAL	
Volume Resistivity	10 ¹⁵	Ohm×cm	IEC 60063
Di-electric Strength	10-12	KV/mm	IEC 60243-1
Comp. Tracking Index	600	CTI	IEC 60112

Form of supply:

BMC 500 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 10-15 °C and the product should be kept away from direct sunlight.

Contact InformationAddress: 1rd, No 24, 15th St, Vozara Ave, Tehran-IRAN

Tell: +98 2188703328-9 Fax: +98 2188703327

Website: www.payaplast.ir Email: amini@payaplast.ir ceo@payaplast.ir