

BMC500

Product Name: BMC500
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Technical data sheet

Product description: BMC500

BMC500 is a bulk molding compound based on unsaturated polyester resin, reinforced with glass fibers and mineral fillers. This BMC has been developed for general purpose application. Good mechanical properties and good flow are combined into the BMC500. The material is injection and compression moulded in heated steel moulds.

Typical material properties:

CHARACTERISTICS	METHOD	UNIT	VALUE
Quantity of glass		%	15
Linear shrinkage	ISO 2577	%	0.1
Density	ISO 1183	g/cm ³	1.8
Water absorption	ISO 62 Met. 1	%	< 0.2
Flexural strength	ISO 14125A	MPa	80
Flexural modulus	ISO 14125A	MPa	9000
Impact strength	ISO 179	Kj/m ²	20
Rockwell hardness	ISO 2039-2	HRm	80
Heat distortion temperature HDT	ISO 75	C	>200
Surface resistivity	IEC 93	ohm	10 14
Volume resistivity	IEC 93	Ohm.cm	10 14
Tracking resistance CTI	IEC 112	V	600

Properties were determined on compression moulded specimens.

Storage and processing conditions

Storage in a dry place at 15-25 C, out of direct sun light
Moulding pressure 60 - 110 bar
Moulding temperature 140 – 175 C

