

BMC1010

Product Name: BMC1010
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Technical data sheet

Product description: BMC1010

BMC1010 is a bulk molding compound based on unsaturated polyester resin reinforced with glass fibers and mineral fillers. This BMC has been developed for reflector of front headlamp automotive. BMC1010 combine an excellent surface, high thermal stability and zero fogging. Excellent varnish adhesion is other peculiarity of BMC1010. The material is injection moulded in heated steel moulds.

Typical material properties:

CHARACTERISTICS	METHOD	UNIT	VALUE
Quantity of glass		%	14
Linear shrinkage	ISO 2577	%	-0.07
Density	ISO 1183	g/cm ³	1.9
Water absorption	ISO 62 Met. 1	%	< 0.4
Flexural strength	ISO 14125A	MPa	70
Flexural modulus	ISO 14125A	MPa	12500
Impact strength	ISO 179	Kj/m ²	25
Hardness Barcol	EN 59		50
Heat distortion temperature HDT	ISO 75	C	>200

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

