

Technical data sheet

BMC 900 RI RF

BMC 900 RI RF is a bulk moulding compound based on an unsaturated polyester resin, fire retardant grade, halogen-free, reinforced with glass fibres.

This BMC has been developed for electrical application with a high percentage of recycled BMC after grinding. Good mechanical properties and good fire protection grade are combined into the **BMC 903 RI RF GR CH.** .

BMC RF 500/18 is formulated according to RoHS, REAC regulation (SVHC) and WEEE European legislation.

Typical material properties

CHARACTERISTICS	METHOD	UNIT	VALUE
Quantity of glass		%	18
Quantity of recycle BMC		%	30
Linear shrinkage	ISO 2577	%	0,2
Density	ISO 1183	g/cm ³	1,7
Water absorption	ISO 62 Met. 1	%	<0,5
Flexural strength	ISO 14125A	MPa	70
Flexural modulus	ISO 14125A	MPa	9.000
Impact strength (Charpy)	ISO 179	KJ/m ²	20
Heat distortion temperature HDT	ISO 75	°C	>200
Surface resistively	IEC 93	Ω	10 ¹⁴
Tracking resistance CTI	IEC 112	V	≤600
Flammability	UL 94	Class / mm	V0 / 3,2
Glow wire GWFI	IEC 695-2-1	°C	960

Properties were determined on compression-moulded specimens according UNIPLAST rules project 412 and 413



Storage and processing conditions

Storage	in a dry place at 15-25°C, out of direct sunlight
Moulding time	30 s/mm
Moulding pressure	60 - 110 bar
Moulding temperature	140 - 160°C

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