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Technical data sheet

BMC S 1800

BMC S 1800 is a bulk moulding compound based on a blend of different thermoset resins reinforced with glass fibres. This BMC has been developed for structural application. Excellent mechanical properties, mainly impact resistance, and easy moulding behaviour are combined into the **BMC S 1800 .**
BMC S 1800 is formulated according to RoHS, REAC regulation (SVHC) and WEEE European legislation.

Material code ISO 11469 >UP-(MD+GF)65FR(60)<

Typical material properties

CHARACTERISTICS	METHOD	UNIT	VALUE
Linear shrinkage	ISO 2577	%	0,05
Density	ISO 1183	g/cm^3	1,75
Water absorption	ISO 62 Met. 1	%	$\leq$0,2
Flexural strength	ISO 14125A	MPa	120
Flexural modulus	ISO 14125A	MPa	9.000
Impact strength (Charpy)	ISO 179	KJ/m^2	60
Rockwell hardness	ISO 2039-2	HRm	80
Heat distortion temperature HDT	ISO 75	°C	>200
Surface resistivity	IEC 93	Ω	10^{14}
Volume resistivity	IEC 93	Ω mm	10^{14}
Tracking resistance CTI	IEC 112	V	600

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

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Storage and processing conditions

Storage	at 15-25°C, in dry ambient and out of direct sun light
Moulding time	30 s/mm
Moulding pressure	60 - 110 bar
Moulding temperature	140 - 160°C