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Technical data sheet

BMC LS 300/20

BMC GP 300/20 is a bulk moulding compound based on an unsaturated polyester resin, reinforced with glass fibres. This BMC has been developed for general purpose. Good mechanical properties and good flow are combined into the **BMC GP 300/20**.
BMC GP 300/20 is formulated according to RoHS, REAC regulation (SVHC) and WEEE European legislation.

Material code ISO 11469 >UP-(MD+GF)70FR(60)<

Typical material properties

CHARACTERISTICS	METHOD	UNIT	VALUE
Quantity of glass	ISO 11667	%	20
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	100
Flexural modulus	ISO 14125A	MPa	10.000
Impact strength (Charpy)	ISO 179	KJ/m^2	30
Rockwell hardness (M scale)	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 cm	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	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