

Technical data sheet

SMC LS 3200 R20 C20

SMC LS 3200 R20 C20 is a sheet moulding compound based on an unsaturated polyester resin reinforced with glass fibres. This SMC has been developed for structural parts.

SMC LS 3200 R20 C20 meets mechanical and thermal properties with reduction weight of the final parts. **SMC LS 3200 R20 C20** is formulated according to RoHS, REAC regulation (SVHC) and WEEE European legislation.

Material code ISO 11469 >UP-(MD+GF)55<

Typical material properties

CHARACTERISTICS	METHOD	UNIT	VALUE
Quantity of continuous glass		%	20
Quantity of random glass		%	20
Linear shrinkage Trasversal	ISO 2577	%	0,00
Linear shrinkage Longitudinal	ISO 2577	%	0,20
Density	ISO 1183	g/cm ³	1,6
Water absorption	ISO 62 Met. 1	%	≤ 0,4
Flexural strength Trasversal	ISO 14125A	MPa	400
Flexural strength Longitudinal	ISO 14125A	MPa	100
Flexural modulus Trasversal	ISO 14125A	MPa	19.000
Flexural modulus Longitudinal	ISO 14125A	MPa	6.000
Impact strength (Charpy) Trasversal	ISO 179	KJ/m ²	180
Impact strength (Charpy) Longitudinal	ISO 179	KJ/m ²	60
Heat distortion temperature HDT	ISO 75	°C	> 240

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	40 s/mm
Moulding pressure	70 - 110 bar
Moulding temperature	140 - 160°C

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