

Technical data sheet

SMC LS 3022 R30

SMC LS 3022 R30 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 3022 R30 joint good mechanical properties and good surface. **SMC LS 3022 R30** complies with BS 6920 water quality. **SMC LS 3022 R30** is formulated according to RoHS, REAC regulation (SVHC) and WEEE European legislation.

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

Typical material properties

CHARACTERISTICS	METHOD	UNIT	VALUE
Quantity of glass	ISO 11667	%	30
Linear shrinkage	ISO 2577	%	0,0
Density	ISO 1183	g/cm ³	1,75
Water absorption	ISO 62 Met. 1	%	≤ 0,2
Flexural strength	ISO 14125A	MPa	165
Flexural modulus	ISO 14125A	MPa	10.000
Impact strength (Charpy)	ISO 179	KJ/m ²	70
Specific volume resistance	IEC 93	Ω cm	1014
Surface resistance	IEC 93	Ω	1013
Heat distortion temperature HDT	ISO 75	°C	> 200

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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