

## Technical data sheet

### SMC LS 3200 R40

**SMC LS 3200 R40** 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 R40** meets mechanical and thermal properties with reduction weight of the final parts. **SMC LS 3200 R40** is formulated according to RoHS, REAC regulation (SVHC) and WEEE European legislation.

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

#### Typical material properties

CHARACTERISTICS	METHOD	UNIT	VALUE
Quantity of glass	ISO 11667	%	40
Linear shrinkage	ISO 2577	%	0,0
Density	ISO 1183	g/cm <sup>3</sup>	1,7
Water absorption	ISO 62 Met. 1	%	≤ 0,2
Flexural strength	ISO 14125A	MPa	210
Flexural modulus	ISO 14125A	MPa	13.000
Impact strength (Charpy)	ISO 179	KJ/m <sup>2</sup>	110
Heat distortion temperature HDT	ISO 75	°C	> 200
Rockwell hardness ( M scale )	ISO 2039-2	HRm	80

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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