

Technical data sheet

SMC LP 2500 R33

SMC LP 2500 R33 is a sheet moulding compound based on an unsaturated polyester resin, reinforced with glass fibres.

This SMC has been developed for structural parts. **SMC LP 2500 R33** joint good mechanical properties and good varnish adhesion. **SMC LP 2500 R33** 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		%	33
Linear shrinkage	ISO 2577	%	0,0
Density	ISO 1183	g/cm ³	1,8
Water absorption	ISO 62 Met. 1	%	≤0,2
Flexural strength	ISO 14125A	MPa	180
Flexural modulus	ISO 14125A	MPa	10.000
Impact strength (Charpy)	ISO 179	KJ/m ²	80
Rockwell hardness	ISO 2039-2	HRm	80
Heat distortion temperature HDT	ISO 75	°C	≥200
Burn rate	SAE J369	mm/min	≤80
Surface resistivity	IEC 93	Ω	10 ¹⁴

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

Storage and processing conditions

Storage	at 15-25°C, in dry ambient and out of direct sun light
Moulding time	40 s/mm
Moulding pressure	70 - 110 bar
Moulding temperature	140 - 160°C

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