

Technical data sheet

SMC LPA 2000 R35

SMC LPA 2000 R35 is a sheet moulding compound based on an unsaturated polyester resin class "A" grade reinforced with glass fibres. This SMC has been developed for body panel application, with excellent mechanical properties and excellent surface.

Good varnish adhesion and excellent gluing are other peculiarities of **SMC LPA 2000 R35**. **SMC LPA 2000 R35** 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		%	35
Linear shrinkage	ISO 2577	%	-0,0
Density	ISO 1183	g/cm ³	1,8
Water absorption	ISO 62 Met. 1	%	≤0,5
Flexural strength	ISO 14125A	MPa	170
Flexural modulus	ISO 14125A	MPa	12.000
Impact strength (Charpy)	ISO 179	KJ/m ²	90
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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