

Technical data sheet

SMC LPA 6703 LW NEUTRO

SMC LPA 6703 LW NEUTRO 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 low density, good mechanical properties and excellent surface. Good varnish adhesion and excellent gluing are other peculiarities of **SMC LPA 6703 LW NEUTRO**. **SMC LPA 6703 LW NEUTRO** is formulated according to RoHS, REAC regulation (SVHC) and WEEE European legislation.

Typical material properties

CHARACTERISTICS	METHOD	UNIT	VALUE
Quantity of glass	ISO 11667	%	35
Glass fibre length		mm	25
Linear shrinkage	ISO 2577	%	-0,04
Density	ISO 1183	g/cm ³	1,2
Water absorption	ISO 62 Met. 1	%	≤ 0,5
Coefficient of linear expansion	By TMA	10 ⁻⁶ /°C	20
Flexural strength	ISO 14125A	MPa	120
Flexural modulus	ISO 14125A	MPa	7.000
Impact strength (Charpy)	ISO 179	KJ/m ²	70
Heat distortion temperature HDT	ISO 75	°C	> 200
Surface resistivity	IEC 93	Ω	10 ¹³
Speed of the flame	SAE J369	mm/min	<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 - 120 bar
Moulding temperature	140 - 160°C

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