Polynt S.p.A - Stab. Brembate di Sopra
Via Caduti e Dispersi dell'Aeronautica,18
I-24030 Brembate di Sopra (Bg) Italy
Tel. +39 035 623100 - Fax +39 035 333500

Sede Legale
Via Enrico Fermi, 51
I-24020 Scanzorosciate (BG)
Tel. 035 652111 - Fax 035 652421

Technical data sheet

SMC LP 6700 LW

SMC LP 6700 LW is a sheet moulding compound based on an unsaturated polyester resin reinforced with glass fibres. **SMC LP 6700 LW** is a low weight compounds and it has been developed for structural parts. **SMC LP 6700 LW** meets mechanical and thermal properties with reduction weight of the final parts. **SMC LP 6700LW** is formulated according to RoHS, REAC regulation (SVHC) and WEEE European legislation.

Typical material properties

CHARACTERISTICS	METHOD	UNIT	VALUE
Quantity of glass	ISO 11667	%	25
Glass fibre length		mm	25
Linear shrinkage	ISO 2577	%	0,02
Density	ISO 1183	g/cm^3	1,35
Water absorption	ISO 62 Met. 1	%	≤ 0,5
Flexural strength	ISO 14125A	MPa	80
Flexural modulus	ISO 14125A	MPa	6.000
Impact strength (Charpy)	ISO 179	KJ/m^2	50
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

Polynt S.p.A - Stab. Brembate di Sopra
Via Caduti e Dispersi dell'Aeronautica,18
I-24030 Brembate di Sopra (Bg) Italy
Tel. +39 035 623100 - Fax +39 035 333500

Sede Legale
Via Enrico Fermi, 51
I-24020 Scanzorosciate (BG)
Tel. 035 652111 - Fax 035 652421

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