Polynt S.p.A.
Via Caduti e Dispersi Dell'Aereonautica 18
I-24030 Brembate di Sopra (BG) - Italy
Phone: +39 035 623100 – Fax: +39 035 333500
contact.it@polynt.com

Technical data sheet

SMC LS 3130 R20 7035/AL

SMC LS 3130 R20 7035/AL is a sheet moulding compound based on an unsaturated polyester resin, fire retardant grade, halogen-free, reinforced with glass fibres. This SMC has been developed for electrical application**. SMC LS 3130 R20 7035/AL** joint good mechanical properties and good fire protection grade.
SMC LS 3130 R20 7035/AL is formulated according to RoHS, REACH regulation (SVHC) and WEEE European legislation.

Typical material properties

CHARACTERISTICS	METHOD	UNIT	VALUE
Glass fiber content	ISO 11667	%	20
Glass fiber longth		mm	25
Linear shrinkage	ISO 2577	%	0,10
Density	ISO 1183	g/cm^3	1,8
Water absorption	ISO 62 Met. 1	%	≤ 0,2
Flexural strength	ISO 14125A	MPa	130
Flexural modulus	ISO 14125A	MPa	9.500
Impact strength (Charpy)	ISO 179	KJ/m^2	60
Rockwell hardness (M scale)	ISO 2039-2	HRm	80
Heat Distortion Temperature HDT	ISO 75	°C	> 200
Surface resistivity	IEC 60093	Ω	10^{13}
Arc resistance	ASTM D 495	s	≥ 180
Dielectric rigidity	IEC 60243	KV/mm	14
Tracking resistance CTI	IEC 60112	V	600
Temperature index	IEC 60216	°C	140
Resistance to ultra-violet (UV) radiation	IEC EN 62208		Pass

Polynt S.p.A.
Via Caduti e Dispersi Dell'Aereonautica 18
I-24030 Brembate di Sopra (BG) - Italy
Phone: +39 035 623100 – Fax: +39 035 333500
contact.it@polynt.com

CHARACTERISTICS	METHOD	UNIT	VALUE
Flammability	IEC 707	Class	FH 2-40
Flammability	UL 94	Class	HB
Glow wire GWFI	IEC 60695-2-12	°C	960

Properties were determined on compression-moulded specimens according to DO-LAB02 and UNIPLAST rules project 412 and 413

Storage and processing conditions

Storage	in a dry place at 15-25°C, out of direct sun light
Moulding time	40 s/mm
Moulding pressure	70 - 120 bar
Moulding temperature	140 - 160°C

This technical leaflet issued in the month of August 2019 annuls and replaces any other version printed before.