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Technical data sheet

SMC LS 3620 R35 AE

SMC LS 3620 R35 AE is a sheet moulding compound based on an unsaturated polyester resin, fire retardant grade, reinforced with glass fibres. This SMC has been developed for electrical application. **SMC LS 3620 R35 AE** joint excellent mechanical properties and excellent fire protection grade. **SMC LS 3620 R35 AE** is formulated according to RoHS, REAC regulation (SVHC) and WEEE European legislation.
Material code ISO 11469 >UP-(MD+GF)65FR(60)<

Typical material properties

CHARACTERISTICS	METHOD	UNIT	VALUE
Quantity of glass	ISO 11667	%	35
Linear shrinkage	ISO 2577	%	0,
Density	ISO 1183	g/cm^3	1,8
Water absorption	ISO 62 Met. 1	%	$\leq$0,2
Flexural strength	ISO 14125A	MPa	180
Flexural modulus	ISO 14125A	MPa	9.500
Impact strength (Charpy)	ISO 179	KJ/m^2	90
Rockwell hardness	ISO 2039-2	HRm	80
Heat distortion temperature HDT	ISO 75	°C	$\geq$200
Surface resistivity	IEC 93	Ω	10^{14}
Glow wire GWFI	IEC 695-2-1	°C	960
Fire resistance	ENEL DS 4974	score	$\geq$ 80
Flammability	UL 94	Class / mm	V0 / 1,5

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 - 120 bar
Moulding temperature	140 - 160°C

Note: The information contained in this sheet is correct and accurate and it based on our technical and scientific knowledge and on literature at the date of going to press. Such information relates only to use of the products in the pure state and for the purposes stated herein. Nothing stated here may be taken or construed as implying of any existing patents. Nor is any warranty, whether explicit or implicit, given with regard to results to be obtained through the use of the aforesaid information.