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Technical data sheet

SMC LPMC 7300 RF

SMC LPMC 7300 RF is a sheet moulding compound based on an unsaturated polyester resin reinforced with glass fibres. **SMC LPMC 7300 RF** is studied to be moulded at low pressure. This SMC has been developed for electrical application. **SMC LPMC 7300 RF** joint good mechanical properties and good fire protection grade **SMC LPMC 7300 RF** 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
Linear shrinkage	ISO 2577	%	0,1
Density	ISO 1183	g/cm^3	1,7
Water absorption	ISO 62 Met. 1	%	$\leq$ 0,2
Flexural strength	ISO 14125A	MPa	140
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 93	Ω	10^{14}
Volume resistivity	IEC 93	Ω cm	10^{14}
Tracking resistance CTI	IEC 112	V	600
Glow wire GWFI	IEC 695-2-1	°C	960
Flammability	UL 94	Class / mm	V0 / 4

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	20 - 100 bar
Moulding temperature	140 - 160°C