

Technical data sheet

SMC 3500 DURALYNT

SMC 3500 DURALYNT is a sheet moulding compound based on an unsaturated polyester resin reinforced with glass fibres. This material has been developed to show a high weathering resistance.

SMC 3500 DURALYNT joints good mechanical properties and good flow

SMC 3500 DURALYNT 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	%	25
Linear shrinkage	ISO 2577	%	0,1
Density	ISO 1183	g/cm ³	1,7
Water absorption	ISO 62 Met. 1	%	≤ 0,2
Flexural strength	ISO 14125A	MPa	150
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

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 - 110 bar
Moulding temperature	140 - 160°C

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