

## Technical data sheet

### SMC VE 3700

**SMC VE 3700** is a sheet moulding compound based on a vinylester resin reinforced with glass fibres. This SMC has been developed for structural parts.

**SMC VE 3700** joint good mechanical properties, excellent heat resistance and high chemical resistance. **SMC VE 3700** is formulated according to RoHS, REAC regulation (SVHC) and WEEE European legislation.

#### Typical material properties

CHARACTERISTICS	METHOD	UNIT	VALUE
Quantity of glass		%	25
Linear shrinkage	ISO 2577	%	0,0
Density	ISO 1183	g/cm <sup>3</sup>	1,7
Water absorption	ISO 62 Met. 1	%	≤0,2
Flexural strength	ISO 14125A	MPa	160
Flexural modulus	ISO 14125A	MPa	10.000
Impact strength (Charpy)	ISO 179	KJ/m <sup>2</sup>	60
Rockwell hardness	ISO 2039-2	HRm	70
Heat distortion temperature HDT	ISO 75	°C	≥250
Surface resistivity	IEC 93	Ω	10 <sup>14</sup>

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 - 110 bar
Moulding temperature	140 - 160°C

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