Polynt S.p.A - Stab. Brembate di Sopra
Via Caduti e Dispersi dell'Aeronautica,18
I-24030 Brembate di Sopra (Bg) Italy
Tel. +39 035 623100 - Fax +39 035 333500

Sede Legale
Via Enrico Fermi, 51
I-24020 Scanzorosciate (BG)
Tel. 035 652111 - Fax 035 652421

Technical data sheet

SMC LP 3280/S

SMC LP 3280/S is a sheet moulding compound based on an unsaturated polyester resin reinforced with glass fiber and woven roving. **SMC LP 3280/S** has been developed for structural parts. **SMC LP 3280/S** meets mechanical and thermal properties with reduction weight of the final parts. **SMC LP 3280/S. SMC LP 3280/S** is formulated according to RoHS, REAC regulation (SVHC) and WEEE European legislation.
Material code ISO 11469 >UP-(MD+GF)65<

Typical material properties

CHARACTERISTICS	METHOD	UNIT	VALUE
Quantity of randon glass		%	18
Quantity of woven roving		%	12
Linear shrinkage	ISO 2577	%	0,00
Density	ISO 1183	g/cm^3	1,7
Water absorption	ISO 62 Met. 1	%	≤ 0,5
Flexural strength	ISO 14125A	MPa	190
Flexural modulus	ISO 14125A	MPa	14.000
Tensile strength	ISO 527-4	MPa	140
Tensile modulus	ISO 527-4	MPa	13.000
Impact strength (Charpy)	ISO 179	KJ/m^2	120
Rockwell hardness Scale M	ISO 2039-2	HRM	80
Burn rate	SAE J369	mm/min	<80
Heat distortion temperature HDT	ISO 75	°C	> 250

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