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## 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** 

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 <sup>3</sup>	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 <sup>2</sup>	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

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.





