



## SMC1000

Class-A SMC

**Product Name: SMC1000**

Date issued: 10.02.2014

Version: 2

### Product description:

Class-A SMC 1000 is a sheet molding compound based on unsaturated polyester resin reinforced with glass fibers and mineral fillers, which used commonly for exterior body applications on cars, LCV's and trucks. These compounds mould to parts with good up to excellent surface quality for body panels. Surface defects like waviness, fiber patterns and orange peel don't occur with this product. The product is high temperature medium pressure compression molded and it is recommended to work with Chrome plate tools.

The product contains no halogens or heavy metals.

### Physical Properties:

Properties	Range	Unit	TM
Density	1.80 ± 0.02	g/cm <sup>3</sup>	ISO 1183
Glass fiber content	25 ± 2	%	ISO 1172
Flexural Strength	140	MPa	ASTM D790
Flexural Modulus	9000	MPa	ASTM D790
Impact Strength	70	KJ/m <sup>2</sup>	ISO 179
Tensile Strength	70	MPa	ASTM D638
HDT	>200	°C	ISO 75
Water Absorption	<50	mg/1Day	ASTM D570
Curing Time	60	Sec/mm	-
Molding Temperature	140-160	°C	-
Molding Pressure	80-100	Bar	-
Shrinkage	0.00 ± 0.03	%	BS 2782-6

### Form of supply:

SMC 1000 is wrapped in styrene tight film and supplied on rolls holding about 100-150 kg. It is possible to place in cardboard or wooden boxes. Various kind of packaging is available. For further details, call our technical service team.

### Storage:

Recommended storage temperature is between 15-20 °C and the product should be kept away from direct sunlight.

### Contact information

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