



SMC090

Product Name: SMC090

Date issued: 11.11.2019

Version: 7

Product description:

SMC090 is a sheet molding compound based on unsaturated polyester resin reinforced with glass fibers and mineral fillers, which used commonly for very high strength applications such as structural parts within the automotive industry. These compounds mould to parts with good surface quality. 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.

Other colors would be available based on customer demand.

Physical Properties:

Properties	Range	Unit	TM
Density	1.80 ± 0.03	g/cm ³	ISO 1183
Glass fiber content	28 ± 2	%	ISO 1172
Flexural Strength	140	MPa	ASTM D790
Flexural Modulus	8000	MPa	ASTM D790
Impact Strength	60	KJ/m ²	ISO 179
Tensile Strength	100	MPa	ASTM D638
HDT	>200	°C	ASTMD648
Water Absorption	<50	mg/1Day	ASTM D570
Curing Time	45	Sec/mm	-
Molding Temperature	140-160	°C	-
Molding Pressure	80-100	Bar	-
Shrinkage	0.13±0.03	%	BS 2782-6
Color		RAL	7021

Form of supply:

SMC 090 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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