



SMC500

Product Name: SMC500

Date issued: 11.11.2019

Version: 7

Product description:

SMC500 is a sheet molding compound based on unsaturated polyester resin reinforced with glass fibers and mineral fillers, which is general purpose SMC for general applications such as appliances, gully grating covers, manhole covers, structural parts, internal and external decorative applications and etc. It should be noted that the Glass fiber content and the color would be adjustable, depending on the customer demand. 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.

Physical Properties:

Properties	Range	Unit	TM
Density	1.80 ± 0.03	g/cm ³	ISO 1183
Glass fiber content	23 ± 2	%	ISO 1172
Flexural Strength	140	MPa	ASTM D790
Flexural Modulus	8000	MPa	ASTM D790
Impact Strength	70	KJ/m ²	ISO 179
Tensile Strength	70	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	7035

Form of supply:

SMC 500 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

Address: 1rd, No 24, 15th St., Vozara Ave, Tehran-IRAN.

Tell: +98 2188703328-9

Fax: +98 2188703327

Website: www.payaplast.ir

Email: amini@payaplast.ir ceo@payaplast.ir