



SMC200

Product Name: SMC200

Date issued: 10.02.2014

Version: 6

Product description:

SMC 200 is a sheet molding compound based on unsaturated polyester resin reinforced with glass fibers and mineral fillers. This product is an especial SMC for water corrosion and hydrolysis resistant applications such as water tanks (drinkable water), housings, covers and similar components exposed to a tropical climate or humid plant environment causing extensive immersion in water or exposure to high humidity. The glass fiber level has been adjusted to combine good moldability with good to excellent strength and stiffness properties. These compounds mould to parts with good surface quality and excellent mechanical strength with no release of chemicals. The product is high temperature and medium pressure compression molded and it is recommended to work with Chrome plate tools. The product contains no halogens or heavy metals. The product passes the Water Regulations Advisory Scheme tests which is named WRAS certification.

Other colors would be available based on customer demand.

Physical Properties:

Properties	Range	Unit	TM
Density	1.83 ± 0.05	g/cm ³	ISO 1183
Glass fiber content	30±2	%	ISO 1172
Flexural Strength	165	MPa	ASTM D790
Flexural Modulus	8000	MPa	ASTM D790
Impact Strength	70	KJ/m ²	ISO 179
Tensile Strength	100	MPa	ASTM D638
HDT	>200	°C	ASTMD648
Water Absorption	<50	mg/1Day	ASTM D570
Curing Time	60	Sec/mm	-
Molding Temperature	140-160	°C	-
Molding Pressure	80-100	Bar	-
Shrinkage	0.13±0.03	%	BS 2782-6
Color	-	RAL	7038
WRAS ¹	Passed	-	BS 6920

¹ WRAS is the UK Water Industry's approval scheme. Products approved by the scheme have been shown to comply with the requirements of the Water Supply (Water Fittings) Regulations 1999 and amendments.

Form of supply:

SMC 200 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