



SMC417

Product Name: SMC417

Date issued: 10.02.2018

Version: 1

Product description:

SMC417 is a sheet molding compound base on unsaturated polyester resin reinforced with glass fibers and mineral fillers. SMC417 is used for electrical purpose applications such as housing, electrical bushings, covers wire distribution boxes and metering cabinets. The lower glass fiber content makes it an appropriate choice for small to medium size applications with better flow in the mold and less surface defects. The anti-flammability meets the demands of standard UL94 category HB; on request category V0 is available. The glass fiber content combines good moldability with good mechanical strength. 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 ±0.05	g/cm ³	ISO 1183
Glass fiber content	17±2	%	ISO 1172
Flexural Strength	100	MPa	ASTM D790
Flexural Modulus	7000	MPa	ASTM D790
Impact Strength	45	KJ/m ²	ISO 179
Tensile Strength	45	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	0.15 ± 0.03	%	BS 2782-6
Color		RAL	7035
Volume resistivity	10 ¹⁵	Ohm×cm	IEC60063
Di-electric strength	10-12	KV/mm	IEC60243-1
Comparative tracking index	600	CTI	IEC60112
Fire Retardancy	4, V0	mm & Level	UL94

Form of supply:

SMC 417 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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