



SMC142

Product Name: SMC142

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Version: 6

Product description:

SMC142 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 | 7021 |

Form of supply:

SMC 142 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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