

TYPICAL APPLICATION



PRODUCT DESCRIPTION

menzolit® SMC 2300 is a sheet moulding compound based on unsaturated polyester resin. The product is glass fibre reinforced and contains mineral fillers. In case of fire the product doesn't melt, neither does it form droplets nor is smoke generation excessive. The material is compression moulded in heated steel moulds. It is recommended to work with chrome plated tools. The product contains no halogens or heavy metals nor any candidates from the REACH SVHC list.

PRODUCT SPECIFICATION

Arc resistance SMC for arc quenching cambers. High fire retardancy SMC for electrical applications.

TYPICAL PROPERTIES

| | Standard | Units | |
|----------------------------|--------------|-------------------|------------------|
| Density | ISO 1183 | g/cm ³ | 1,8 |
| Shrinkage | ISO 2577 | % | 0,10 |
| Heat Distortion Temp. | EN ISO 75-2 | °C | >200 |
| Continuous Service Temp. | Menzolit | °C | 165 |
| Young's Modulus | EN ISO 527-4 | GPa | 12 |
| Tensile Strength | EN ISO 527-4 | MPa | 60 |
| Flexural Strength | EN ISO 14125 | MPa | 150 |
| Flex Modulus | EN ISO 14125 | GPa | 11 |
| Impact Strength | EN ISO 179 | kJ/m ² | 65 |
| Glow Wire Index | IEC 60707-3 | °C | 960 |
| Fire Retardancy | UL 94 | | V-0@1,5 mm |
| Surface Resistivity | IEC 60093 | Ohm | 10 ¹² |
| Comparative Tracking Index | IEC 60112 | Level | CTI600 |
| Water Absorption | ISO 62 | % | < 0,5 |

FORM of SUPPLY

menzolit® SMC 2300 is produced in a standard width of 1500 mm. It is supplied on rolls holding up to 1500 kg. It is possible to have it folded and packed in cardboard/wooden crates. In any case a styrene barrier film wrapping is being used. For alternative packaging please contact our technical service team. Available in limited colours.