



TYPICAL APPLICATION



Automotive



Com. Vehicle



Construction



Electrical



Energy



Industrial



Mass Transport



Sanitary

PRODUCT DESCRIPTION

menzolit[®] HPC 1300 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

High strength material with unidirectional reinforcement. Especially high strength in fibre direction, high glass content.

TYPICAL PROPERTIES

| | Standard | Units | |
|----------------------------|-----------------|-------------------|------------------|
| Density | ISO 1183 | g/cm ³ | 1,7 |
| Shrinkage | ISO 2577 | % | 0,2 / -0,05 |
| Heat Distortion Temp. | EN ISO 75-2 | °C | >200 |
| Continuous Service Temp. | Menzolit | °C | 170 |
| Young's Modulus | EN ISO 527-4 | GPa | 12 / 25 |
| Tensile Strength | EN ISO 527-4 | MPa | 70 / 410 |
| Flexural Strength | EN ISO 14125 | MPa | 95 / 740 |
| Flex Modulus | EN ISO 14125 | GPa | 11 / 28 |
| Impact Strength | EN ISO 179 | kJ/m ² | 40 / 370 |
| Glow Wire Index | IEC 60707-3 | °C | |
| Fire Retardancy | UL 94 | | |
| Surface Resistivity | IEC 60093 | Ohm | 10 ¹² |
| Comparative Tracking Index | IEC 60112 | Level | CTI600 |
| Water Absorption | ISO 62 | % | < 0,5 |

FORM of SUPPLY

menzolit[®] HPC 1300 is produced in a standard width of 1500 mm. It is supplied on rolls holding up to 1500 kg. In any case a styrene barrier film wrapping is being used. For alternative packaging please contact our technical service team. Available in limited colours.