



## TYPICAL APPLICATION



**Automotive**



**Com. Vehicle**



**Construction**



**Electrical**



**Energy**



**Industrial**



**Mass Transport**



**Sanitary**

## PRODUCT DESCRIPTION

menzolit<sup>®</sup> HPC 1200 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 and stiffness in direction of fibre orientation for structural applications.

## TYPICAL PROPERTIES

	<b>Standard</b>	<b>Units</b>	
Density	ISO 1183	g/cm <sup>3</sup>	1,8
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 / 22
Tensile Strength	EN ISO 527-4	MPa	40 / 300
Flexural Strength	EN ISO 14125	MPa	95 / 650
Flex Modulus	EN ISO 14125	GPa	10 / 24
Impact Strength	EN ISO 179	kJ/m <sup>2</sup>	40 / 250
Glow Wire Index	IEC 60707-3	°C	
Fire Retardancy	UL 94		
Surface Resistivity	IEC 60093	Ohm	10 <sup>12</sup>
Comparative Tracking Index	IEC 60112	Level	CTI600
Water Absorption	ISO 62	%	< 0,5

## FORM of SUPPLY

menzolit<sup>®</sup> HPC 1200 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.