

TYPICAL APPLICATION



Automotive



Com. Vehicle



Construction



Electrical



Energy



Industrial



Mass Transport



Sanitary

PRODUCT DESCRIPTION

menzolit® SMC 1100 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 chopped fibres and tough matrix resins for structural applications.

TYPICAL PROPERTIES

	Standard	Units	
Density	ISO 1183	g/cm ³	1,8
Shrinkage	ISO 2577	%	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	13
Tensile Strength	EN ISO 527-4	MPa	150
Flexural Strength	EN ISO 14125	MPa	250
Flex Modulus	EN ISO 14125	GPa	13
Impact Strength	EN ISO 179	kJ/m ²	120
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	%	< 0,3

FORM of SUPPLY

menzolit® SMC 1100 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.