

### TYPICAL APPLICATION



Automotive



Com. Vehicle



Construction



Electrical



Energy



Industrial



Mass Transport



Sanitary

### PRODUCT DESCRIPTION

menzolit® CarbonSMC™ 1100 is a sheet moulding compound based on vinylester resin, it's Carbon fibre reinforced. In case of fire the product doesn't melt, neither does it form droplets. The material is moulded in heated steel moulds on hydraulic presses. It is highly recommended to work with chrome plated tools. For moulding and machining, dust proof electrical circuits have to be used (IP54). The product contains no halogens or heavy metals nor any candidates from the REACH SVHC list.

### PRODUCT SPECIFICATION

A new product based on chopped carbon fibres for light weight structural body panels.

### TYPICAL PROPERTIES

	Standard	Units	
Density	ISO 1183	g/cm <sup>3</sup>	1,42
Shrinkage	ISO 2577	%	-0,15
Heat Distortion Temp.	EN ISO 75-2	°C	>200
Continuous Service Temp.	Menzolit	°C	170
Young's Modulus	EN ISO 527-4	GPa	30
Tensile Strength	EN ISO 527-4	MPa	130
Flexural Strength	EN ISO 14125	MPa	320
Flex Modulus	EN ISO 14125	GPa	28
Impact Strength	EN ISO 179	kJ/m <sup>2</sup>	55
Glow Wire Index	IEC 60707-3	°C	
Fire Retardancy	UL 94		
Surface Resistivity	IEC 60093	Ohm	
Comparative Tracking Index	IEC 60112	Level	NA
Water Absorption	ISO 62	%	< 0,5

### FORM of SUPPLY

menzolit® CarbonSMC™ 1100 is produced in a width of 500 mm. It is supplied on coil-piles holding about 40 kg. In any case a styrene barrier film wrapping is being used. Different packaging is possible after consulting our sales department. Available in black colour.