



## Product Information

### menzolit® SMC 2500

Issued: 21.03.2014

menzolit® SMC 2500 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 SVH list.

### Typical Application

Electrical

### Product Description

SMC for electrical applications requiring very high isolating properties.

Typical Properties	Standard	Units	
Density	ISO 1183	g/cm <sup>3</sup>	1,8
Shrinkage	ISO 2577	%	0,05
Heat Distortion Temp.	EN ISO 75-2	°C	>200
Continuous Service Temp.	Menzolit	°C	165
Young's Modulus	EN ISO 527-4	GPa	11
Tensile Strength	EN ISO 527-4	MPa	60
Flexural Strength	EN ISO 14125	MPa	145
Flex Modulus	EN ISO 14125	GPa	9
Impact Strength	EN ISO 179	kJ/m <sup>2</sup>	65
Glow Wire Index	IEC 60707-3	°C	750
Fire Retardancy	UL 94		HB@3 mm
Surface Resistivity	IEC 60093	Ohm	10 <sup>12</sup>
Comparative Tracking Index	IEC 60112	Level	CTI600
Water Absorption	ISO 62	%	< 0,3

### Form of supply

menzolit® SMC 2500 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.

menzolit® is a registered trademark !

Properties given are the mean value of test results, and taken from non pigmented, compression moulded panels at room temperature. Our products are manufactured according to ISO 9000 standards, a Safety Data Sheet according to 91/155/EEC is available.

Notice: We make no warranty or representation as to the suitability of the product or information herein for any particular application. The determination of the suitability of the above information for any particular use is solely the responsibility of the user. For further information please contact your local Menzolit Technical Service Team for assistance or see [www.menzolit.com](http://www.menzolit.com).

