

TYPICAL APPLICATION



PRODUCT DESCRIPTION

menzolit® SMC 0170 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. It does not contain any halogens nor any candidates from the REACH SVHC list.

PRODUCT SPECIFICATION

General purpose SMC for electrical applications, similar to SMC 0150 but increased glass content for higher mechanical properties.

TYPICAL PROPERTIES

	Standard	Units	
Density	ISO 1183	g/cm ³	1,8
Shrinkage	ISO 2577	%	0,15
Heat Distortion Temp.	EN ISO 75-2	°C	>200
Continuous Service Temp.	Menzolit	°C	165
Young's Modulus	EN ISO 527-4	GPa	12
Tensile Strength	EN ISO 527-4	MPa	80
Flexural Strength	EN ISO 14125	MPa	190
Flex Modulus	EN ISO 14125	GPa	10
Impact Strength	EN ISO 179	kJ/m ²	85
Glow Wire Index	IEC 60707-3	°C	750
Fire Retardancy	UL 94		HB@3 mm
Surface Resistivity	IEC 60093	Ohm	10 ¹²
Comparative Tracking Index	IEC 60112	Level	CTI600
Water Absorption	ISO 62	%	< 0,5

FORM of SUPPLY

menzolit® SMC 0170 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 all colours.