



TYPICAL APPLICATION



PRODUCT DESCRIPTION

menzolit[®] SMC 0290 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 injection 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

Injection mouldable SMC for electrical applications. Suitable for switch gear housings and functional components, that need higher strength than injection moulded BMC. Fire retardancy UL 94, V-0 (3 mm). Yellow card available for all colours.

TYPICAL PROPERTIES

	Standard	Units	
Density	ISO 1183	g/cm ³	1,7
Shrinkage	ISO 2577	%	0,10
Heat Distortion Temp.	EN ISO 75-2	°C	>200
Continuous Service Temp.	Menzolit	°C	165
Young's Modulus	EN ISO 527-4	GPa	10
Tensile Strength	EN ISO 527-4	MPa	60
Flexural Strength	EN ISO 14125	MPa	140
Flex Modulus	EN ISO 14125	GPa	10
Impact Strength	EN ISO 179	kJ/m ²	65
Glow Wire Index	IEC 60707-3	°C	960
Fire Retardancy	UL 94		V-0@3,2 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 0290 is packaged in single bulks of approximately 15 Kg for loading stuffing units of injection moulding machines. It is shipped on Paletts holding appr. 700 Kg. Other Packaging available on request.

t