Menzolit® SMC 2600

Thermoset Polyester

Menzolit Ltd (UK)

Message:

Menzolit® SMC 2600 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.
Menzolit® SMC 2600 is a special SMC with electrically conductive properties. Because of its conductivity, SMC 2600 is antistatic and prevents build-up of electrical charges on the surface. Despite of its conductivity the electrical properties are still good enough to provide an electrical isolation to power circuits. The glass level has been selected to combine good mouldability with good strength and stiffness properties. Typical applications are housings and covers within telecommunication, electrical industry, office equipment as well as ex-proof applications within the mining or oil/gas exploration industry.

General Information			
UL YellowCard	E120779-100101998		
Filler / Reinforcement	Glass\Mineral,30% Filler by Weight		
Features	Antistatic Electrically Conductive Flame Retardant Good Electrical Properties Good Moldability Good Stiffness Good Strength Halogen Free High Heat Resistance Low Smoke Emission		
Uses	Business Equipment Communication Applications Electrical/Electronic Applications Mining Applications		
Forms	SMC - Sheet Molding Compound		
Processing Method	Compression Molding		
Part Marking Code (ISO 11469)	>UP-(MD+GF)67<		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.80	g/cm³	ISO 1183
Molding Shrinkage			
-- [1]	0.0	%	DIN 53464
--	0.15	%	ISO 2577
Water Absorption (Saturation, 23°C)	< 0.50	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**

Tensile Modulus (Compression Molded)	12000	MPa	ISO 527-2
Tensile Stress (Yield, Compression Molded)	75.0	MPa	ISO 527-2
Flexural Modulus (Compression Molded)	10000	MPa	ISO 178
Flexural Stress (Compression Molded)	179	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (Compression Molded)	81	kJ/m^2	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	> 200	°C	ISO 75-2/A
Continuous Use Temperature	165	°C	Internal Method
Glass Transition Temperature	170	°C	DSC
CLTE - Flow	1.2E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+8	ohms	IEC 60093
Volume Resistivity	1.0E+11	ohms·cm	IEC 60093
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		UL 94
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
Oxygen Index	30	%	ISO 4589-2
Additional Information	Nominal Value		Test Method
Glow Bar	Level BH 2 <= 10		IEC 60707-3
Injection	Nominal Value	Unit	
Mold Temperature	135 to 150	°C	
Injection Pressure	8.00 to 10.0	MPa	
NOTE			
1.	Post Molding Shrinkage		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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Phone: +86 13424755533

Email: sales@su-jiao.com

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