

# Menzolit® BMC 2900

Thermoset Polyester

Menzolit Ltd (UK)

## Message:

Menzolit® BMC 2900 is a bulk 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. The product contains no halogens nor any heavy metals.

Menzolit® BMC 2900 is a specially designed BMC to meet the EC Safety Signs Directive (92/58/EEC) on the provision and use of safety signs at work. In areas where it is not possible to include the use of illuminated signs BMC 2900 moulds luminescent parts. Besides flat luminescent panels it is possible to mould three dimensional parts like safety helmets, escape way stairs or other safety and warning items of luminescent properties. These are in addition to traditional signboards such as prohibition, warning signs as well as fire safety signs (ie signs for fire exits and fire-fighting equipment). The parts comply with DIN 67510 for safety applications.

General Information			
Filler / Reinforcement	Glass\Mineral,28% Filler by Weight		
Features	Low Smoke Emission		
Appearance	Cream		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.81	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage	0.12	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	11000	MPa	ISO 14125
Flexural Stress	50.0	MPa	ISO 14125
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	15	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	> 200	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	42 to 43	%	ISO 4589-2
Additional Information	Nominal Value	Unit	Test Method
Fiber Content	28	%	ISO 1172
Material Designation	>UP-(GF+MD)70FR(60)<		EN 14598-1
Injection	Nominal Value	Unit	
Mold Temperature	145	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

