

Menzolit Menzolit[®] BMC 2900 Unsaturated Polyester UP

Category : Polymer , Thermoset , Polyester, TS , Thermoset Polyester Glass Filled BMC

Material Notes:

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 wrning 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. Information Provided by Menzolit

Order this product through the following link:

http://www.lookpolymers.com/polymer_Menzolit-Menzolit-BMC-2900-Unsaturated-Polyester-UP.php

Physical Properties	Metric	English	Comments
Density	1.81 g/cc	0.0654 lb/in ³	ISO 1183
Water Absorption	0.00 %	0.00 %	ISO 62
Linear Mold Shrinkage	0.0012 cm/cm	0.0012 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Elongation at Yield	0.00 %	0.00 %	tensile rupture strain; ISO 527-4
Flexural Strength	50.0 MPa @Temperature 22.0 Â°C	7250 psi @Temperature 71.6 Â°F	25 mm wide 100 mm long, flat samples; ISO 14125
Flexural Modulus	11.3 GPa @Temperature 22.0 Â°C	1640 ksi @Temperature 71.6 Â°F	25 mm wide 100 mm long, flat samples; ISO 14125
Poissons Ratio	0.30	0.30	
Charpy Impact, Notched	1.50 J/cm ²	7.14 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
CTE, linear	10.0 Âµm/m-Â°C	5.56 Âµin/in-Â°F	ISO 11359-2
Specific Heat Capacity	1.10 J/g-Â°C	0.263 BTU/lb-Â°F	
Thermal Conductivity	0.700 W/m-K	4.86 BTU-in/hr-ft ² - Â°F	
Maximum Service Temperature, Air	165 Â°C	329 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	>= 200 Â°C	>= 392 Â°F	ISO 75-2

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	170 Â°C	338 Â°F	ISO 11357-2
Oxygen Index	42 - 43 %	42 - 43 %	ISO 4589-2

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093
Comparative Tracking Index	601 V	601 V	IEC 60112

Processing Properties	Metric	English	Comments
Processing Temperature	136 - 155 Â°C	277 - 311 Â°F	0 moulding, matched metal die

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China