

Menzolit Menzolit[®] BMC 2400 Unsaturated Polyester UP

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

Material Notes:

BMC 2400 is a general purpose BMC for applications in the field of low smoke density and non toxic smoke.. The flammability meets the demands of EN45545 and is classified according to British standard BS 6853 level 1 b. Certificates are available on request. The glass content is on a level that combines good mouldability with good mechanical properties regarding strength and stiffness. Information Provided by Menzolit

Order this product through the following link:

http://www.lookpolymers.com/polymer_Menzolit-Menzolit-BMC-2400-Unsaturated-Polyester-UP.php

Physical Properties	Metric	English	Comments
Water Absorption	<= 0.50 %	<= 0.50 %	ISO 62

Mechanical Properties	Metric	English	Comments
Elongation at Yield	0.00 %	0.00 %	tensile rupture strain; ISO 527-4
Poissons Ratio	0.30	0.30	

Thermal Properties	Metric	English	Comments
CTE, linear	12.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	6.67 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
Specific Heat Capacity	1.10 J/g- $\text{Å}^\circ\text{C}$	0.263 BTU/lb- $\text{Å}^\circ\text{F}$	
Thermal Conductivity	0.700 W/m-K	4.86 BTU-in/hr-ft $\text{Å}^2\cdot\text{Å}^\circ\text{F}$	
Maximum Service Temperature, Air	165 $\text{Å}^\circ\text{C}$	329 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	>= 150 $\text{Å}^\circ\text{C}$	>= 302 $\text{Å}^\circ\text{F}$	ISO 75-2
Minimum Service Temperature, Air	-40.0 $\text{Å}^\circ\text{C}$	-40.0 $\text{Å}^\circ\text{F}$	
Glass Transition Temp, Tg	165 $\text{Å}^\circ\text{C}$	329 $\text{Å}^\circ\text{F}$	ISO 11357-2

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 60093
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	IEC 60093
Comparative Tracking Index	600 V	600 V	IEC 60112

Processing Properties	Metric	English	Comments
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Processing Temperature Processing Properties	135 - 150 °C Metric	275 - 302 °F English	Injection moulding, matched metal Comments
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