

Plenco 08235 Polyester BMC, Compression Molded

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

Material Notes:

PLENCO 08235 is a renumber of PlasGlas 20315. PLENCO 08235 is a 15% glass-filled polyester bulk molding compound characterized as a flame-retardant, medium strength electrical grade. It is suitable for a broad range of applications such as capacitor cans, electrical enclosures, etc. It is available in bulk or extruded form, natural and black. Other colors available upon request. It is UL recognized under file E40654. Information supplied by Plenco.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plenco-08235-Polyester-BMC-Compression-Molded.php

Physical Properties	Metric	English	Comments
Density	1.85 g/cc	0.0668 lb/in ³	ASTM D792
Water Absorption	0.076 %	0.076 %	ASTM D570
Linear Mold Shrinkage	0.0033 cm/cm	0.0033 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	45	45	ASTM D785
Tensile Strength, Ultimate	41.0 MPa	5950 psi	ASTM D638
Elongation at Break	0.52 %	0.52 %	ASTM D638
Tensile Modulus	13.9 GPa	2020 ksi	ASTM D638
Flexural Strength	112 MPa	16200 psi	ASTM D790
Flexural Modulus	12.6 GPa	1830 ksi	ASTM D790
Compressive Strength	132 MPa	19100 psi	ASTM D695
Izod Impact, Notched	3.60 J/cm	6.74 ft-lb/in	ASTM D256
Charpy Impact, Notched	3.60 J/cm ²	17.1 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	223 °C	433 °F	Heat Resistance; ASTM D570D
Deflection Temperature at 1.8 MPa (264 psi)	273 °C	523 °F	ASTM D648
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	
Shrinkage	0.00078 %	0.00078 %	72 hr, 120°C; ASTM D1299

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Volume Resistivity	2.10e+15 ohm-cm	2.10e+15 ohm-cm	ASTM D247
Dielectric Constant	4.2	4.2	ASTM D150
Dielectric Strength	11.6 kV/mm	295 kV/in	Step by Step; ASTM D149
	13.9 kV/mm	353 kV/in	Short Time; ASTM D149
Dielectric Breakdown	23000 V	23000 V	1hr 120C; ASTM D149
Dissipation Factor	0.0129	0.0129	ASTM D150
Arc Resistance	193 sec	193 sec	ASTM D495
Comparative Tracking Index	600 V	600 V	ASTM D3638

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