

## Plenco 08133 Polyester BMC, Compression Molded

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

**Material Notes:**

PLENCO 08133 is a renumber of PlasGlas 10313. PLENCO 08133 is a general purpose polyester bulk molding compound that is characterized by adding utility to a number of applications. Because of its combination of high heat resistance, good electrical properties, flame resistance and strength, it can be used in such applications as iron skirts and other small appliance housings, coil bobbins, and electric motor components such as brush holders. It is available in either bulk or extruded form and is currently available in black. Other colors are 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-08133-Polyester-BMC-Compression-Molded.php](http://www.lookpolymers.com/polymer_Plenco-08133-Polyester-BMC-Compression-Molded.php)

Physical Properties	Metric	English	Comments
Density	1.85 g/cc	0.0668 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.065 %	0.065 %	ASTM D570
Linear Mold Shrinkage	0.0037 cm/cm	0.0037 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	40	40	ASTM D785
Tensile Strength, Ultimate	37.0 MPa	5370 psi	ASTM D638
Elongation at Break	0.52 %	0.52 %	ASTM D638
Tensile Modulus	12.7 GPa	1840 ksi	ASTM D638
Flexural Strength	99.0 MPa	14400 psi	ASTM D790
Flexural Modulus	11.6 GPa	1680 ksi	ASTM D790
Compressive Strength	134 MPa	19400 psi	ASTM D695
Izod Impact, Notched	2.22 J/cm	4.16 ft-lb/in	ASTM D256
Charpy Impact, Notched	2.35 J/cm <sup>2</sup>	11.2 ft-lb/in <sup>2</sup>	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	218 °C	424 °F	Heat Resistance; ASTM D570D
Deflection Temperature at 1.8 MPa (264 psi)	272 °C	522 °F	ASTM D648
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	

Thermal Properties	Metric	English	Comments
			ASTM D1299
Electrical Properties	Metric	English	Comments
Volume Resistivity	2.40e+11 ohm-cm	2.40e+11 ohm-cm	ASTM D247
Dielectric Constant	19.1	19.1	ASTM D150
Dielectric Strength	2.61 kV/mm	66.3 kV/in	Short Time; ASTM D149
	5.80 kV/mm	147 kV/in	Step by Step; ASTM D149
Dissipation Factor	0.40	0.40	ASTM D150
Arc Resistance	180 sec	180 sec	ASTM D495
Comparative Tracking Index	600 V	600 V	ASTM D3638

## Contact Songhan Plastic Technology Co.,Ltd.

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