

## Haysite 18600 Polyester BMC, 15% Glass Reinforced

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

**Material Notes:**

The 18600 series bulk molding compound can be compression, transfer, or injection molded. Formulated with a high temperature resin system, this grade exhibits exceptional retention of physical and electrical properties after exposure to elevated temperatures.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Haysite-18600-Polyester-BMC-15-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Haysite-18600-Polyester-BMC-15-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.86 g/cc	0.0672 lb/in <sup>3</sup>	ASTM D572
Water Absorption	0.11 %	0.11 %	ASTM D570
Linear Mold Shrinkage	0.0022 cm/cm	0.0022 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	43.0 MPa	6240 psi	
Flexural Strength	97.0 MPa	14100 psi	
Compressive Strength	103 MPa	14900 psi	
Izod Impact, Notched	2.10 J/cm	3.93 ft-lb/in	edgewise; ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	180 Â°C	356 Â°F	temperature rating

Electrical Properties	Metric	English	Comments
Dielectric Constant	8.5	8.5	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	16.0 kV/mm	406 kV/in	Perpendicular (ASTM D149), Short Time
Dissipation Factor	0.067	0.067	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Arc Resistance	188 sec	188 sec	ASTM D495

### Contact Songhan Plastic Technology Co.,Ltd.

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