

## Haysite 46000 Polyester SMC, 30% Glass Reinforced

Category : Polymer , Thermoset , Composite SMC , Filled/Reinforced Thermoset , Polyester, TS , Thermoset Polyester Glass SMC

**Material Notes:**

The 46000 series sheet molding compound is designed for "automotive type" applications requiring good mechanical properties and low shrink characteristics.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Haysite-46000-Polyester-SMC-30-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Haysite-46000-Polyester-SMC-30-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in <sup>3</sup>	ASTM D572
Water Absorption	0.15 %	0.15 %	ASTM D570
Linear Mold Shrinkage	0.00070 cm/cm	0.00070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	83.0 MPa	12000 psi	
Flexural Strength	207 MPa	30000 psi	
Compressive Strength	193 MPa	28000 psi	
Izod Impact, Notched	9.90 J/cm	18.5 ft-lb/in	edgewise; ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 Â°C	266 Â°F	temperature rating

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.9	4.9	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	16.0 kV/mm	406 kV/in	Perpendicular (ASTM D149), Short Time
Dissipation Factor	0.0060	0.0060	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Arc Resistance	140 sec	140 sec	ASTM D495

## Contact Songhan Plastic Technology Co.,Ltd.

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