

## Haysite 54500 Polyester SMC, 35% Glass Reinforced

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

### Material Notes:

A high strength fiberglass reinforced thermoset polyester compound formulated for injection, compression, or transfer molding. This material exhibits excellent electrical and mechanical properties, and has a UL94 Flame Class V-0.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Haysite-54500-Polyester-SMC-35-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Haysite-54500-Polyester-SMC-35-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in <sup>3</sup>	ASTM D572
Water Absorption	0.25 %	0.25 %	ASTM D570
Linear Mold Shrinkage	0.0025 cm/cm	0.0025 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	128 MPa	18600 psi	
Flexural Strength	248 MPa	36000 psi	
Compressive Strength	145 MPa	21000 psi	
Izod Impact, Notched	12.8 J/cm	24.0 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 Strength	20.0 kV/mm	508 kV/in	Perpendicular (ASTM D149), Short Time
Arc Resistance	185 sec	185 sec	ASTM D495

## Contact Songhan Plastic Technology Co.,Ltd.

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