

## Haysite 270FRII Polyester BMC, Glass Reinforced

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

### Material Notes:

Haysite Grade 270FRII is a second generation glass reinforced thermoset polyester bulk molding compound. This material can be compression, transfer, or injection molded. Qualified under MIL-M-14, Type MAI 60, Haysite 270FRII is also recognized by UL with a 94V-0 flame rating at .060" wall thickness.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Haysite-270FRII-Polyester-BMC-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Haysite-270FRII-Polyester-BMC-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.75 g/cc	0.0632 lb/in <sup>3</sup>	ASTM D572
Water Absorption	0.23 %	0.23 %	ASTM D570
Linear Mold Shrinkage	0.0012 cm/cm	0.0012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	59.0 MPa	8560 psi	
Flexural Strength	117 MPa	17000 psi	
Compressive Strength	131 MPa	19000 psi	
Izod Impact, Notched	6.40 J/cm	12.0 ft-lb/in	edgewise; ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 Â°C	266 Â°F	temperature rating
Flammability, UL94	V-0	V-0	File No.E-27875

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.6	4.6	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	15.0 kV/mm	381 kV/in	Perpendicular (ASTM D149), Short Time
Dissipation Factor	0.010	0.010	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Arc Resistance	185 sec	185 sec	ASTM D495
Comparative Tracking Index	300 V	300 V	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China