

Overview

Our Haysite HST-II is a very high quality, rigid, electrical insulation board with excellent thermal properties. This material is made from omnidirectional strands of fibreglass that are encased in a thermoset polyester resin. The result is a tough, high strength board that can be machined or cut with precision.

HST-II meets or exceeds all requirements of a GPO-1 Electrical Insulation Material. It is typically used for making insulating parts for high voltage transformers, D.C. Motors and other applications that require a strong insulation material with excellent temperature resistance.

Used for a variety of applications including...

- Structural insulation parts for HV transformers.
- Coil cheeks for electric motors running at Class H or Class C.
- High voltage slot wedges for high temperature electric motors.
- Coil support rings.
- Insulating panels and washers.

Custom HST-11 Sheets and Parts.

All the smaller sizes of GPO1 HST-11 sheets listed on the next page are cut to order. Consequently, it is no problem to produce custom sized sheets, panels or parts.

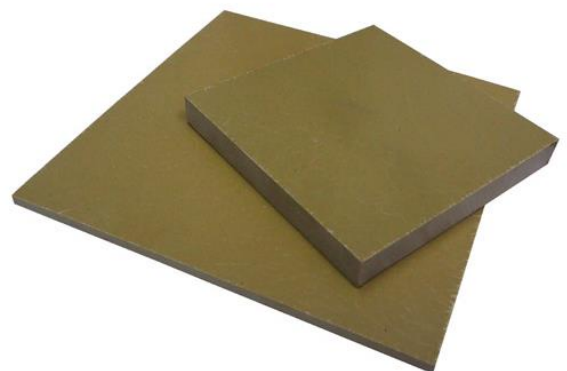
More complex components can also be produced through either water cutting, machining or some combination of the two. This includes Haysite washers, precision slot wedges, bushes, gears and much more.

For more information on custom components made from our Haysite HST-11 Sheet, please do contact us.



Key Specifications

Temperature Resistance	220°C
Colour	Tan
Density	1.38 g/cm ³
Flexural Strength (Minimum)	25,000 PSI
Dielectric Strength	62 kV (Parallel, Step-By-Step In Oil, KV)
Dielectric Constant @ 60 Hz	4.20
UL Flammability	UL94 Class HB



HST-11 GPO1 Insulation Sheet Sizes.

The tables below list all our standard sizes of HST-11 GPO1 Sheet. To quickly find any on our website, just search for the SWM part number listed. Alternatively, browse the full range at swiftsupplies.com.au/gpo1-polyester-glass-insulation-material

Thickness	Small Sheets 300mm Square	Medium Sheets 600mm Square
0.8mm	SWM000372P01V0001	SWM000372P01V0016
1.6mm	SWM000372P01V0002	SWM000372P01V0017
2.4mm	SWM000372P01V0003	SWM000372P01V0018
3.2mm	SWM000372P01V0004	SWM000372P01V0019
4.8mm	SWM000372P01V0005	SWM000372P01V0020
6.4mm	SWM000372P01V0006	SWM000372P01V0021
8mm	SWM000372P01V0007	SWM000372P01V0022
9.5mm	SWM000372P01V0008	SWM000372P01V0023
12.7mm	SWM000372P01V0009	SWM000372P01V0024
15.9mm	SWM000372P01V0010	SWM000372P01V0025
19mm	SWM000372P01V0011	SWM000372P01V0026
25.4mm	SWM000372P01V0012	SWM000372P01V0027
31.75mm	SWM000372P01V0013	SWM000372P01V0028
38.1mm	SWM000372P01V0014	SWM000372P01V0029
50.8mm	SWM000372P01V0015	SWM000372P01V0030

Thickness	Half Sheets 1200mm Square	Full Sheets 1200mm x 2400mm
0.8mm	SWM000372P01V0031	SWM000372B01V0001
1.6mm	SWM000372P01V0032	SWM000372B01V0002
2.4mm	SWM000372P01V0033	SWM000372B01V0003
3.2mm	SWM000372P01V0034	SWM000372B01V0004
4.8mm	SWM000372P01V0035	SWM000372B01V0005
6.4mm	SWM000372P01V0036	SWM000372B01V0006
8mm	SWM000372P01V0037	SWM000372B01V0007
9.5mm	SWM000372P01V0038	SWM000372B01V0008
12.7mm	SWM000372P01V0039	SWM000372B01V0009
15.9mm	SWM000372P01V0040	SWM000372B01V0010
19mm	SWM000372P01V0041	SWM000372B01V0011
25.4mm	SWM000372P01V0042	SWM000372B01V0012
31.75mm	SWM000372P01V0043	SWM000372B01V0013
38.1mm	SWM000372P01V0044	SWM000372B01V0014
50.8mm	SWM000372P01V0045	SWM000372B01V0015