

TECHNICAL DATASHEET

LAMITHERM RIGID SHEET

GFE HC

Glass Fiber Epoxy Sheet

Description

Lamitherm GFE HC Glass Epoxy Sheet is F class laminated sheet made from reinforcing material such as- E class glass fiber cloth(desized and silane treated) and woven rovings, impregnated with thermosetting- Epoxy resin and laminated under high temperature & pressure. It has temperature index of 155 degree C.

It is a UL Approved product in the IEEMA Electrical Insulation System ..IEISISO- Hor Thermal Class 155 (F), Under UL File No. E 318161

Features

- Hot Pressed
- Smooth and Uniform Surface
- Good Mechanical and Bending Strength
- Good Dielectrical Strength

Application

Lamitherm GFE HC finds application for insulation of Electrical Motors, Transformers, Switchgear in form of sheet, wedges and components.

Properties

Properties	Unit	Values
Density	g/cubic cm	1.7-1.9
Martens Temp	Degree C	>/200
Water Absorption	%	0.8

Flexural Strength	Mpa At Room Temp	>350
Tensile Strength	Mpa	>300
Dielectrical Strength On 2mm Sheet in Oil	Kv	>/20
Bonding Strength	N	>/5600
Test Method	IEC	893.2
Thermal Stability at 180 Degree for 72 Hrs And cooled at normal temperature		No physical deformation observed.

Availability

Thickness: 0.5mm to 30mm

Size: 1020mm and 2040mm

Components and slot wedges can be supplied as per customers drawing

Packaging

Sheets are covered by polythene

Storage

It should be stored at normal condition and at dust free area for unlimited period.

DISCLAIMER

All information, recommendations and test data herein are offered only as a guide. We believe them to be accurate but do not guarantee results, freedom from patent infringement, suitability of this product for any resultant application