

Hexcel® Fibrelam® 2000 Grade 5 Panels for Aircraft Flooring

Category : Other Engineering Material , Polymer , Thermoset , Carbon Fiber/Thermoset Composite

Material Notes:

Designed for aircraft use where weight is critical, Fibrelam® 2000 structural sandwich panels utilize ultra light weight woven carbon prepreg skins bonded to high-strength aramid honeycomb to reduce weight without sacrificing performance. In addition to offering outstanding mechanical and physical properties, Fibrelam® 2000 panels are easy to install, and can be easily cut and machined on equipment normally found in airline maintenance shops. Fibrelam® 2000 panels are approved and qualified for use as flooring by major aircraft manufacturers and airlines worldwide. Information provided by Hexcel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-Fibrelam-2000-Grade-5-Panels-for-Aircraft-Flooring.php

Descriptive Properties	Value	Comments
Burn Length (mm)	109	BSS 7230; Flammability: 60 Second Vertical Ignition
Drip Extinguish Time (sec)	0	BSS 7230; Flammability: 60 Second Vertical Ignition
Glow Time (sec)	0	BSS 7230; Flammability: 45 Degree Test
Impact Resistance (N-m)	1.1	
In-Plane Shear (N/mm)	57	
Insert Shear (N)	4560	
Long Beam Bending Deflection (mm)	12	MIL-STD-401B; At 445N (100lb)
Long Beam Bending Load (N)	1270	BSS 7250 Humidity; Humidity Resistance Load (100% at 60°C (140°F) for 30 days)
	1330	MIL-STD-401B; Core Ribbon, Transverse
Panel Shear Strength (N)	1600	MIL-STD-401B 3 point loading; Load on Splice
	2140	MIL-STD-401B 3 point loading;
Sandwich Peel (N/76 mm)	338	MIL-STD-401B 3 point loading; Core Ribbon, Transverse
Self-Extinguish Time (sec)	0	BSS 7230; Flammability: 60 Second Vertical Ignition
	1.6	BSS 7230; Flammability: 45 Degree Test
Stabilized Core Compression (N/mm ²)	5.2	
Warp (mm/m), max	0.8	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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