

Hexcel® Fibrelam® Grade 1 Panels for Aircraft Flooring

Category : Other Engineering Material , Composite Core Material

Material Notes:

Fibrelam® structural sandwich panels have been in service since 1973 and are currently approved for flooring by major aircraft manufacturers and airlines worldwide. These extensively flight-proven panels offer outstanding mechanical and physical properties, can be easily cut and machined on equipment normally found in airline maintenance shops, and are easy to install. Information provided by Hexcel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-Fibrelam-Grade-1-Panels-for-Aircraft-Flooring.php

Descriptive Properties	Value	Comments
Burn Length (mm)	58	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)	4.7	BMS 4-17
In-Plane Shear (N/mm)	75	BMS 4-17
Insert Shear (N)	6700	BMS 4-17
Long Beam Bending Deflection (mm)	15.2	MIL-STD-401B; At 445N (100lb)
Long Beam Bending Load (N)	1290	MIL-STD-401B; Core Ribbon, Transverse
	1290	BSS 7250 Humidity; Humidity Resistance Load (100% at 60°C (140°F) for 30 days)
Panel Shear Strength (N)	3400	MIL-STD-401B 3 point loading; Core Ribbon, Transverse
Sandwich Peel (N/76 mm)	330	MIL-STD-401B; Core Ribbon, Transverse
Self-Extinguish Time (sec)	0	BSS 7230; Flammability: 45 Degree Test
	4	BSS 7230; Flammability: 60 Second Vertical Ignition
Stabilized Core Compression (N/mm ²)	14.5	MIL-STD-401B
Warp (mm/m), max	0.8	

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