

Hexcel® Fibrelam® Grade 1-3/3 Panels for Aircraft Flooring

Category : Other Engineering 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-1-33-Panels-for-Aircraft-Flooring.php

| Descriptive Properties | Value | Comments |
|--|-------|--|
| Burn Length (mm) | 76 | 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) | 5 | BMS 4-17 |
| In-Plane Shear (N/mm) | 95 | BMS 4-17 |
| Insert Shear (N) | 7300 | BMS 4-17 |
| Long Beam Bending Deflection (mm) | 10.2 | MIL-STD-401B; At 445N (100lb) |
| Long Beam Bending Load (N) | 1780 | BSS 7250 Humidity; Humidity Resistance Load (100% at 60°C (140°F) for 30 days) |
| | 2450 | MIL-STD-401B; Core Ribbon, Transverse |
| 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) | 2 | BSS 7230; Flammability: 45 Degree Test |
| | 5 | BSS 7230; Flammability: 60 Second Vertical Ignition |
| Stabilized Core Compression (N/mm ²) | 14.5 | MIL-STD-401B |
| Warping (mm/m), max | 0.8 | |

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