



Fabric Bakelite F2

RIGID LAMINATE FOR MECHANICAL APPLICATIONS

Fabric Bakelite F2 is a phenolic rigid laminate reinforced by a woven cloth, for use in mechanical and structural applications.

F2 offers excellent mechanical and wear resistance. It is suitable for gears and similar applications requiring high impact strength. F2 is tougher than F3, however does not allow for as close tolerances when machining.

Features

- Good mechanical strength
- Good machinability
- High impact strength
- Non-abrasive
- Chemically resistant
- Toughness

Applications

- Primarily for mechanical applications
- Gears, pulleys
- Bearings
- Wear plates

Technical Information

Material: Woven Cloth Bonded (coarse) with Phenolic Resin

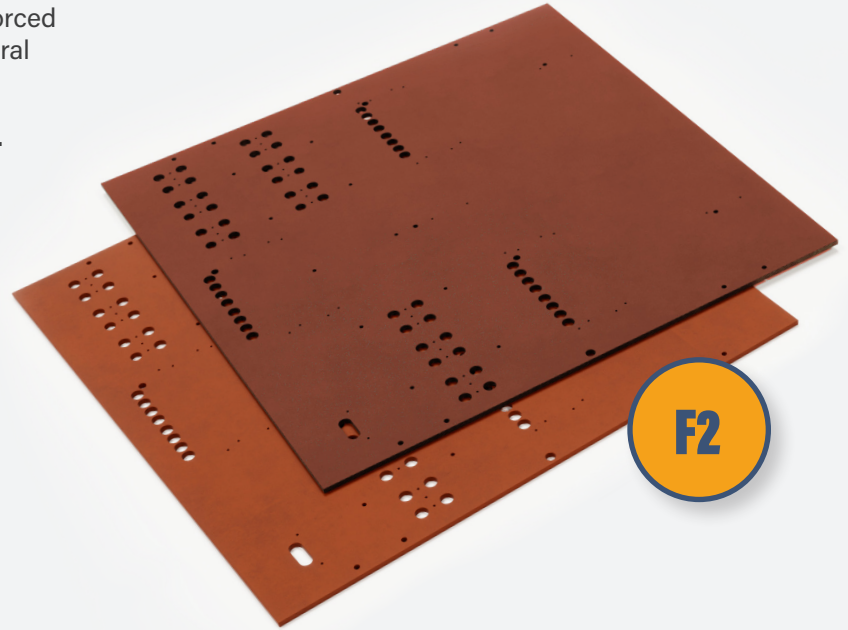
Colour: Brown

Sizing and Machining

Sheet Size: 1,220mm x 2,440mm

Nominal Thickness: 1.6mm to 50.0mm

Tolerances: According to IEC or NEMA standards



Technical Data	Units	Value
Density	g/cm ³	1.3 to 1.45
Flexural Strength	MPa	90
Impact Strength, parallel to laminations (Charpy)	kJ/m ²	7.8
Water Absorption (D-24/23, thickness 1.6mm)	mg	220

We provide a full machining and fabrication service, delivering everything from cut-to-order sheets to complex fully-finished components. Available for short-run or volume-based orders.



Insulect Australia | Customer Service

1300 446 565

e: sales@insulect.com w: insulect.com

The information in this document is believed to be correct at the time of publication. The user is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. No reliance may be placed on any such information or data without first contacting Insulect Australia to clarify individual user requirements.