

**GENERAL DESCRIPTION**

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 & BENEFITS**

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

**APPLICATIONS**

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



**GENERAL INFORMATION**

Material	Woven Cloth Bonded (coarse) with Phenolic Resin
Colour	Brown

**TECHNICAL DATA**

	UNITS	VALUE
Density	g/cm <sup>3</sup>	1.3 to 1.45
Flexural Strength	MPa	90
Impact Strength, parallel to laminations (Charpy)	kJ/m <sup>2</sup>	7.8
Water Absorption (D-24/23, thickness 1.6mm)	mg	220

**DIMENSIONS**

Sheet	Length x Width	mm	1220 x 2440
	Thickness	mm	1.6 to 50.0
Tolerances	According to IEC or NEMA standards		

**SIZING & AVAILABILITY**

The above table shows the most commonly requested products in this range. Should you require something outside of these parameters, please contact your local sales representative or our customer service team.

**MACHINING & FABRICATION**

Insulect's manufacturing capabilities form a key part of the trusted service we offer our customers. Our two modern, well equipped facilities – in Brisbane and Melbourne – work with a wide range of electrical, thermal and mechanical materials – including plastics, composites and cellulose-based products.

We offer short run, specialty or volume based machining and fabrication for almost any application and can produce cut-to-order sheets or finished components. Coupled with our highly-trained and experienced team, we are able to deliver on the most complex of customer requirements.