

# LE LINEN

BAKELITE  
(FBE PHENOLIC)

ENGINEERED FOR STRENGTH,  
STABILITY, AND ELECTRICAL INTEGRITY

PRECISION | PERFORMANCE | RELIABILITY



## Key Features

- High mechanical strength and rigidity
- Excellent machinability and clean finish
- Precise threading and close tolerances
- Stable under heat and load
- Low moisture absorption
- Reliable electrical insulation
- Smooth satin surface
- Impact and wear resistant
- Non-sparking, quiet operation
- Resistant to oils and coolants
- Lightweight and durable
- Asbestos- and halogen-free
- ISO 9001 / 14001 certified quality
- Fully compliant with NEMA FBE, MIL-I-24768/13, IEC 60893



## Applications

- Switchboards and panels
- Transformers and motors
- Gears, bushes, pulleys
- Industrial machinery
- Instruments and controls
- Automotive systems
- Defence and aerospace
- Rail and power systems
- Renewable energy units
- Oil, gas, mining equipment
- Marine and offshore gear
- Custom CNC components



## Product Details

Property	Value
Material	Cotton Fabric-Reinforced Phenolic Composite
Thickness Range	0.5 mm to 50 mm (others on request)
Standard Colour	Brown (others on request)
Surface Finish	Smooth and resin-rich, displaying a uniform brown colour with visible fine cotton weave texture
Machining	CNC compatible; suitable for drilling, routing, shaping



LE Linen Bakelite (FBE Cotton-Based Phenolic) is a fine-weave cotton fabric-reinforced phenolic laminate offering high strength, excellent machinability, and stable electrical insulation. It combines a smooth surface finish with tight dimensional control, ideal for precision parts and threaded components.



MISCO Australia offers in-house CNC machining to tailor sheets to your specifications:

- Accepted file formats: DXF, DWG, PDF
- Physical sample reverse engineering available
- Cut, drilled, slotted, profiled, and deburred parts.
- Batch or one-off production available on request.

- ✓ Switchboard Builders
- ✓ Power Generation
- ✓ Renewable Energy
- ✓ Transformer Manufacturing
- ✓ Rail Infrastructure
- ✓ Energy

- ✓ Industrial Machinery
- ✓ Manufacturing
- ✓ Automotive & Aerospace
- ✓ Defence
- ✓ Oil and Gas
- ✓ Electrical and Electronics

