

# Phenolic Cotton Cloth Laminated Sheet

This laminated sheet is a composite material made by impregnating cotton cloth with phenolic resin and applying heat and pressure. It is used in electrical applications such as insulators and switchgear components due to its electrical insulation, mechanical strength, and heat resistance.



## Product Overview

### Material Characteristics

Phenolic cotton cloth laminated sheet is a high-performance composite material created by impregnating cotton cloth with phenolic resin under heat and pressure. It is engineered to provide a reliable balance of mechanical strength, heat resistance, and electrical insulation. This material is widely utilized in demanding electrical applications, including the fabrication of switchgear components, terminal boards, and various industrial insulators.

## Physical Specifications

### Available Dimensions

- 1980 x 980mm
- 980 x 970mm
- 2020 x 1020mm

### Color

Natural

### Thickness Range

0.5 - 100mm

## Technical Performance

### Thermal Class

Class E

### Key Performance Metrics

**100 Mpa**

Flexural Strength (Perpendicular)

**8.8 KJ/m<sup>2</sup>**

Impact Strength (Parallel)

**142 MV/m**

Dielectric Strength (Perpendicular)

**1 KV**

Breakdown Voltage (Parallel in Oil)