



PHENOLIC COTTON CLOTH LAMINATED SHEET/WASHERS

FEATURES

Phenolic is material that is popular for use in insulating washers. Phenolic has good dielectric strength.

Suitable for general electrical applications. Not recommended for use in alkaline solutions. Unaffected by most organic solvents, except acetone. Not recommended for high bolt torque as it can be prone to cracking/splitting.

TECHNICAL INFORMATION

PHYSICAL PROPERTIES	
Colour	Brown or Black
Temperature	+125°C
Rockwell Hardness	110 M scale
Water Absorption - 1mm<	206 mg
Density	1.30 - 1.45 g/cm ³
Dielectric	>2.5 MV/m
Flexural Strength Perpendicular to laminations	>90 MPa
Bonding Strength	>5500
Notch impact strength to lamination charpy	>7.8 KJ/m ²
Insulation Resistance after impregnated in water	Ω 1x10 ⁶
MSDS	Available upon request

AVAILABLE SIZES

Washers are available to suit all standard metric and imperial bolt sizes.

Special sizes can be cut to required specifications.

Refer to our sizing charts for specific details on each size.



APPLICATIONS

Suitable for general electrical applications. Also for static applications in which flange or joints require isolation from dissimilar metals and subsequent galvanic corrosion.

- > E Terminal boards
- > Switches
- > Bearings
- > Gears
- > Wear strips
- > Gaskets
- > Washers
- > Transformers
- > Machining components
- > Industrial laminates