

## Phenolic Paper Laminate Sheet



**Dexlu Item No.: D040101**

### Properties

Phenolic Paper Laminated Sheets are made of electric insulating craft paper impregnated with phenolic resin by processing under heat and pressure, which are widely used in high mechanical properties electrical and mechanical devices.

### Data Form

Phenolic Paper Laminated Sheet (Similar to NEMA X/XX/XXX/XP/XPC)		
Properties	Unit	Value
Flexural strength perpendicular to laminations	MPa	$\geq 120$
Bonding strength ( $\geq 10$ mm in thickness)	N	$\geq 3200$
Insulation resistance after immersion in water (D-24/23)	$\Omega$	$\geq 1.0 \times 10^7$
Dielectric strength perpendicular to laminations (in $90 \pm 2^\circ\text{C}$ transformer oil, 1 mm in thickness)	MV/m	$\geq 12.1$
Breakdown voltage parallel to laminations (in $90 \pm 22^\circ\text{C}$ transformer oil)	KV	$\geq 20$
Permittivity (1MHz)	—	$\leq 5.5$
Dissipation factor (1MHz)	—	$\leq 0.05$
Density	g/cm <sup>3</sup>	1.4
Water absorption (D-24/23, 1.6mm in thickness)	mg	$\leq 182$
Color	—	Natural Chocolate

### Specification

Area: 1030mm x 1230mm (40" x 48"), 1030mm x 2040mm(40" X 80")

Packing: In Pallet

Min Qty: 1000kg each size in a lot.

Thickness: 0.5mm~50mm, thickness over 50mm is also available, please contact our sales for the detail information.

**Note:** The values noted in above technical specification are given only for our customers' reference and should not be used in writing specifications.