



# DATA SHEET

## SHPB-P1BR

**SHEET, PAPER BAKELITE P1,  
NATURAL BROWN  
GRADE - 3021**

**Thickness:** 0.5mm – 50.0mm

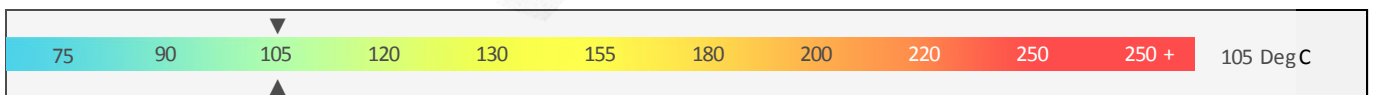
**Description:** These are Paper based laminates, GRADE P1, and have excellent Mechanical Properties. Primarily intended for higher voltage application, with good electrical properties in oil and under normal humidity.

**Size:** These sheets are supplied in standard size of 1220 x 2240mm, 1220mm x 1220mm, 1020mm x 2040mm

SHEETS



PROPERTIES	UNIT	3021
Flexural strength perpendicular to lamination $\geq$	MPa	120
Bonding Strength $\geq$	N	3200
Dielectric strength perpendicular to lamination (in oil $90\pm 2^\circ\text{C}$ ) $\geq$	MV/m	12.1
Breakdown voltage parallel to lamination (in oil $90\pm 2^\circ\text{C}$ ) $\geq$	KV	20
Relative dielectric coefficient $\leq$	-	5.5
Loss factor $\leq$	-	0.05
Insulation resistance after impregnated in water $\geq$	$\Omega$	$1 \times 10^7$
Water absorption 1mm $\leq$	mg	170
Flammability	-	-



Temperature Index