

DATA SHEET COTTON PHENOLIC LAMINATES

GRADE : F-2
 THICKNESS/SIZE : 3.0 MM

Type acc to IS 2036/95,		F-2	
Properties	Unit	SPECIFICATION	Observed values
Mechanical Properties			
Cross breaking Strength	Mpa	110	115
Impact Strength	kJ/m ²	7	10
Shear Strength	Mpa	NA	-
Electrical Properties			
Electric strength at 90°C in oil			
• Flatwise min.	-	-	
• Edgewise min.	kV	1	>15
Insulation Resistance after immersion In water			
	MΩ	0.5	>100
Dissipation factor at 1MHZ max		NA	-
Permittivity at 1 MHZ		NA	-
Thermal endurance	°C	120	155
Physical properties			
Density	g/cm ³	1.3-1.4	1.37
Water absorption	mg	245	95

DATA SHEET COTTON PHENOLIC LAMINATES

GRADE : F-3
THICKNESS/SIZE : 3.0 MM

Type acc to IS 2036/95,		F-3	
Properties	Unit	SPECIFICATION	Observed values
Mechanical Properties			
Cross breaking Strength	Mpa	100	135
Impact Strength	kJ/m ²	8.8	12
Shear Strength	Mpa	NA	-
Electrical Properties			
Electric strength at 90°C in oil			
• Flatwise min.	-	-	
• Edgewise min.	kV	1	>15
Insulation Resistance after immersion In water	MΩ	0.5	>100
Dissipation factor at 1MHZ max		NA	-
Permittivity at 1 MHZ		NA	-
Thermal endurance	°C	120	150
Physical properties			
Density	g/cm ³	1.3-1.4	1.37
Water absorption	mg	245	115

