



1P/13 Paper Laminate Grade Tufnol

Sheet

Technical Specification

Physical Properties	Typical Results	Units
Cross Breaking Strength	175	MPa
Impact Strength Notched	3.9	kJ/m ²
Compressive Strength Flatwise	100	MPa
Tensile Strength	164	MPa
Youngs Modulus	10.4	%
Water Absorption		
- 1.6mm thick	65	mg
- 3mm thick	80	mg
- 6mm thick	100	mg
- 12mm thick	150	mg
Electrical Strength Flatwise in Oil at 90°C		
- 1.6mm thick	10	MV/m
- 3mm thick	6.2	MV/m
- 6mm thick	4.0	MV/m
Electric Strength Edgewise in Oil at 90°C	25	kV
Insulation Resistance after immersion in water	5x10 ⁸	ohms
Loss Tangent at 1MHz	0.04	-
Permittivity at 1 MHz	5.4	-
Relative Density	1.36	-
Maximum Working Temperature		
- Continuous	90	°C
- Intermittent	120	°C
Thermal Classification	Class E	-
Test methods as BS 2572, where applicable		