

**DATA SHEET PAPER COMPOSITES**

	P1	P2	P3	UNITS
<b>Mechanical</b>				
Tensile Strength	1050	850	600	kg/cm <sup>2</sup>
Flexural Strength	1450	1450	1100	kg/cm <sup>2</sup>
Shear Strength	900	820	800	kg/cm <sup>2</sup>
Impact Strength				
(Charpy Edgewise)	6.2	6.2	5.5	kg/m <sup>2</sup>
Special Gravity	1.38	1.38	1.36	
Water Absorption (3mm)	270	95	72	mg
<b>Electrical</b>				
Insulation Resistance				
(In Water 24hrs @ 20°C)	25	150	5000	Meg Ohms
Electrical Strength				
(In Oil @ 90°C)				
Flat Wise (3mm)	3	7.6	8.5	kv/mm
Edgewise (5mm)	5	30	40	kv
Thermal Classification	120 (Class E)	120 (Class E)	120 (Class E)	
Specifications Met				
BS 2572: Grade	P1	P2/1	P3/1	
EH 60893-3-4	PFCP 201	PFCP 203	PFCP 206	
DIN 7735 Grade	HP 2061	HP 2061,5	HP 2061,6	
NEMA LI 11989 GRADE	X	XX	XXX	