



DATA SHEET COTTON COMPOSITES

	F1	F2	F3	F4	UNITS
Mechanical					
Tensile Strength	780	700	700	600	Kgf/cm ²
Flexural Strength	1475	1275	1300	1225	Kgf/cm ²
Shear Strength	740	745	735	-	Kgf/cm ²
Impact Strength					
(Charpy - Edgewise)	8	9	10.0	9	kg/m ²
Specific Gravity	1.35	1.35	1.35	1.33	
Water Absorption (1.6mm)	201	201	220	145	mg
Electrical					
Insulation Resistance					
(In Water 24hrs @ 20°C)	50	15	10	300	Meg Ohms
Electrical Strength					
(In Oil @ 90°C)					
Flat Wise (1,6mm)	2.5	1.5	1.2	4.5	kv/mm
Edgewise (3,2mm)	4	2	2	-	kv
Thermal Classification	120(E)	120(E)	120(E)	120(E)	
Specifications Met					
BS 2572 GRADE	F1	F2	F3	F4	
EN - 60893-3-4-	PFCC 203	PFCC 203	PFCC 201	PFCC 204	
DIN7735 - GRADE		HGW 2083		HGW 2082,5	

This data, while believed to be accurate and based on reliable analytical methods, is for informational purposes only. Data supplied above are "Typical Values", not to be considered "Specification Values".