

COTTON COMPOSITES

F1

<u>PROPERTIES</u>	<u>VALUE</u>	<u>UNIT</u>
<u>MECHANICAL</u>		
TENSILE STRENGTH	780	Kgf/cm ²
FLEXURAL STRENGTH	1475	Kgf/cm ²
SHEAR STRENGTH	740	Kgf/cm ²
IMPACT STRENGTH		-
(CHARPY - EDGEWISE)	8	kg/m ²
SPECIFIC GRAVITY	1.35	-
WATER ABSORPTION	201	mg
<u>ELECTRICAL</u>		
INSULATION RESISTANCE		-
(IN WATER 24HRS @ 20°C)	50	Meg Ohms
ELECTRICAL STRENGTH		-
(IN OIL @ 90°C)		-
FLATWISE (1.6MM)	2.5	kv/mm
EDGEWISE (3.2MM)	4	kv
THERMAL CLASSIFICATION	120 (E)	-
<u>SPECIFICATIONS MET</u>		
BS 2572 GRADE	F1	-
EN-60893-3-4	PFCC	-
	203	
DIN7735 - GRADE	-	-

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COTTON COMPOSITES

F2

<u>PROPERTIES</u>	<u>VALUE</u>	<u>UNIT</u>
<u>MECHANICAL</u>		
TENSILE STRENGTH	700	Kgf/cm ²
FLEXURAL STRENGTH	1275	Kgf/cm ²
SHEAR STRENGTH	745	Kgf/cm ²
IMPACT STRENGTH		-
(CHARPY - EDGEWISE)	9	kg/m ²
SPECIFIC GRAVITY	1.35	-
WATER ABSORPTION (1.6MM)	201	mg
<u>ELECTRICAL</u>		
INSULATION RESISTANCE (IN WATER 24HRS @ 20°C)	15	Meg Ohms
ELECTRICAL STRENGTH (IN OIL @ 90°C)		-
FLATWISE (1.6MM)	1.5	kv/mm
EDGEWISE (3.2MM)	2	kv
<u>THERMAL CLASSIFICATION</u>		
THERMAL CLASSIFICATION	120(E)	-
<u>SPECIFICATIONS MET</u>		
BS 2572 GRADE	F2	-
EN-60893-3-4	PFCC 203	-
DIN7735 - GRADE	HGW2083	-

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COTTON COMPOSITES

F3

<u>F3</u>		
<u>PROPERTIES</u>	<u>VALUE</u>	<u>UNIT</u>
<u>MECHANICAL</u>		
TENSILE STRENGTH	700	Kgf/cm ²
COMPRESSIVE STRENGTH (FLATWISE)	290/310	Mpa
FLEXURAL STRENGTH	1300	Kgf/cm ²
SHEAR STRENGTH	735	Kgf/cm ²
IMPACT STRENGTH (CHARPY - EDGEWISE)	10	kg/m ²
SPECIFIC GRAVITY	1.35	-
WATER ABSORPTION (1.6MM)	220	mg
<u>ELECTRICAL</u>		
INSULATION RESISTANCE (IN WATER 24HRS @ 20°C)	10	Meg Ohms
ELECTRICAL STRENGTH (IN OIL @ 90°C)		-
FLATWISE (1.6MM)	1.2	kv/mm
EDGEWISE (3.2MM)	2	kv
THERMAL CLASSIFICATION	120(E)	-
<u>SPECIFICATIONS MET</u>		
BS 2572 GRADE	F3	-
EN-60893-3-4	PFCC201	-
DIN7735-GRADE		-



COTTON COMPOSITES

F4

<u>PROPERTIES</u>	<u>VALUE</u>	<u>UNIT</u>
<u>MECHANICAL</u>		
TENSILE STRENGTH	600	Kgf/cm ²
FLEXURAL STRENGTH	1225	Kgf/cm ²
SHEAR STRENGTH	-	Kgf/cm ²
IMPACT STRENGTH		
(CHARPY - EDGEWISE)	9	kg/m ²
SPECIFIC GRAVITY	1.33	-
WATER ABSORPTION	145	mg
<u>ELECTRICAL</u>		
INSULATION RESISTANCE		
(IN WATER 24HRS @ 20°C)	300	Meg Ohms
ELECTRICAL STRENGTH		
(IN OIL @ 90°C)	-	-
FLATWISE (1.6MM)	4.5	kv/mm
EDGEWISE (3.2MM)	-	kv
THERMAL CLASSIFICATION	120(E)	-
<u>SPECIFICATIONS MET</u>		
BS 2572 GRADE	F4	-
EN-60893-3-4	PFCC 204	-
DIN7735-GRADE	HGW	-
	2082.5	

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