

**PARAS LAMINATES PVT LTD**  
**DATA SHEET COTTON PHENOLIC LAMINATES**

<b>PROPERTIES</b>	GRADE		HGW2082	HGW2082.5	HGW2083	HGW2083.5
	(D) DIN 7735 EN 60893/IEC893 IS 2036 (USA) NEMA L1 RESIN REINFORCEMENT		PF CC 201 F-3 C PHENOL FABRIC	PF CC 202 F-4 CE PHENOL FABRIC	PF CC 203 F-2 L PHENOL FABRIC	PF CC 204 F-5 LE PHENOL FABRIC
<b>MECHANICAL PROPERTIES</b>	Method	Unit				
FLEXURAL STRENGTH	IS 2036	MPa	120	110	120	115
TENSILE STRENGTH	IS 2036	MPa	100	80	105	100
SHEAR STRENGTH	IS 2036	MPa	70	65	70	60
MODULUS OF ELASTICITY	IS 2036	MPa	7000	7000	7000	7000
CHARPY IMPACT STRENGTH	IS 2036	KJ/m <sup>2</sup>	15	15	15	15
<b>ELECTRICAL PROPERTIES</b>						
ELECTRICAL STRENGTH PARALLEL TO LAMINATION ( Break down voltage)	IS 2036	kV	20	22	20	22
INSULATION RESISTANCE	IS 2036	MQ	70	100	80	100
PERMITTIVITY AT 1 MZh	IS 2036					
DISSIPATION FACTOR AT 1 MZh	IS 2036					
COMPARATIVE TRACKING INDEX		CTI	150	150	150	150
<b>PHYSICAL PROPERTIES</b>						
DENSITY	IS 2036	G/cm <sup>3</sup>	1,3-1,4	1,3-1,4	1,3-1,4	1,3-1,4
WATER ABSORPTION AT 6 MM	IS 2036	mg	225	150	220	145
TEMPERATURE INDEX	IS 2036	TI/C	160	160	160	160
COLOR - BROWN/YELLOW						