

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

PROPERTIES	GRADE		HP 2061	HP 2061.5	HP 2061.6	HP 2062.8
	(D) DIN 7735		PF CP 201	PF CP 202	PF CP 203	PF CP 206
	EN 60893/IEC893		P-1	P-2	P-3	P-4
	IS 2036		X,XP	XX	XXP	XXXP
	(USA) NEMA L1		PHENOL	PHENOL	PHENOL	PHENOL
	RESIN		PAPER	PAPER	PAPER	PAPER
	REINFORCEMENT					
<b>MECHANICAL PROPERTIES</b>	Method	Unit				
FLEXURAL STRENGTH	IS 2036	MPa	140	125	125	110
TENSILE STRENGTH	IS 2036	MPa	130	115	115	80
SHEAR STRENGTH	IS 2036	MPa	70	70	80	90
MODULUS OF ELASTICITY	IS 2036	MPa	7000	7000	7000	7000
COMPRESSIVE STRENGTH	IS 2036	MPa	300	300	250	250
CHARPY IMPACT STRENGTH	IS 2036	KJ/m <sup>2</sup>	20	20	27	25
<b>ELECTRICAL PROPERTIES</b>						
ELECTRICAL STRENGTH						
PARALLEL TO LAMINATION	IS 2036	kV	20-	40	40	40
PERPENDICULAR TO LAMINATION	IS 2036	MV/m	14	20	22	22
INSULATION RESISTANCE	IS 2036	MQ	50	4X10 <sup>3</sup>	5X10 <sup>5</sup>	6X10 <sup>5</sup>
PERMITTIVITY AT 1 MZh	IS 2036				5.2	5.2
DISSIPATION FACTOR AT 1 MZh	IS 2036				0.03	0.03
COMPARATIVE TRACKING INDEX		CTI	150	160	175	175
<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	275	225	110	75
TEMPERATURE INDEX	IS 2036	TI/C	160	160	160	160
FLAMMABILITY		Category				
COLOR - BROWN/BLACK/YELLOW						