

PARAS LAMINATES PVT LTD
DATA SHEET GLASS EPOXY LAMINATES

PROPERTIES	GRADE		HGW2372	HGW2372.1	HGW2372.4
	(D) DIN 7735 EN 60893/IEC893 IS 10192 (USA) NEMA L1 RESIN REINFORCEMENT		EP GC 201 EP 1 G-10 EPOXY G. FABRIC	EP GC 202 EP 2 FR4 EPOXY G.FABRIC	EP GC 203 EP 3 G-11 EPOXY G.FABRIC
MECHANICAL PROPERTIES	Method	Unit			
FLEXURAL STRENGTH	IS 10192	MPa	530	550	580
TENSILE STRENGTH	IS 10192	MPa	300	330	380
SHEAR STRENGTH	IS 10192	MPa	140	140	140
MODULUS OF ELASTICITY	IS 10192	MPa	24000	24000	24000
CHARPY IMPACT STRENGTH	IS 10192	KJ/m2	225	235	240
IZOD IMPACT STRENGTH	IS 10192	KJ/m2	230	240	250
COMPRESSIVE STRENGTH	IS 10192	MPa	405	440	470
ELECTRICAL PROPERTIES					
ELECTRICAL STRENGTH PARALLEL TO LAMINATION (Break down voltage)	IS 10192	kV	>50	>50	>50
INSULATION RESISTANCE	IS 10192	MQ	5x10 ⁵	5x10 ⁵	5x10 ⁵
PERMITTIVITY AT 1 MZh	IS 10192		5.2	5.2	5.2
DISSIPATION FACTOR AT 1 MZh	IS 10192		0.002	0.002	0.002
COMPARATIVE TRACKING INDEX	IS 10192	CTI	350	350	400
PHYSICAL PROPERTIES					
DENSITY	IS 10192	G/cm ³	1.85-2.0	1.85-2.0	1.85-2.0
WATER ABSORPTION AT 6 MM	IS 10192	%	0.20	0.20	0.15
TEMPERATURE INDEX	IS 10192	TI/C	155	160	180
FLAMMABILITY	UL 94	Category		V-0	
COLOR - NATURAL LIGHT GREEN / YELLOW					

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