

PRODUCT RANGE AND SPECIFICATIONS				P 100 / P 101		P 900		P 1002		P 1011		P 1007		P 116		P 1188		P 120		P 191		P 124		F 1321		F 105		F 103		F 1351		F 1361			
TEST PROCEDURES AS PER: 1. BS - 2752 PARTS 2,3 & 4 2. ISO - 62, 178, 179				IS - 2036 Gd P1 BS - 2572 Gd P 1 NEMA : LI 1-1989 Gd - x DIN : 7735 Gd - HP 2061		IS - 2036 Gd P 1 BS - 2572 Gd P 1 NEMA : LI 1-1989 DIN : 7735 Gd - HP 2061		BS - 2572 Gd P 1 Material Description : Paper Phenolic Base with Polar		IS - 2036 Gd P 1 BS - 2572 Gd P 1 NEMA : LI 1-1989 Gd-XP DIN : 7735 Gd - HP 2061		IS - 2036 Gd P 1 BS - 2572 Gd P 1 NEMA : LI 1-1989 Gd-XX DIN : 7735 Gd - HP 2061.5		IS - 2036 Gd P 2 BS - 2572 Gd P2/1 NEMA : LI 1-1989 Gd-XXX DIN : 7735 Gd - HP 2061.5		IS - 2036 Gd P 2 BS - 2572 Gd P2/1 NEMA : LI 1-1989 Gd-XXX DIN : 7735 Gd - HP 2061.5		IS - 2036 Gd P 3 BS - 2572 Gd P3 NEMA : LI 1-1989 Gd-XXX DIN : 7735 Gd - HP 2061.5		IS - 2036 Gd P 3 BS - 2572 Gd P 3/1 NEMA : LI 1-1989 Gd- FR2 DIN : 7735 Gd - HP 2063		IS - 2036 Gd P 4 BS - 2572 Gd F 1 NEMA : LI 1-1989 Gd-XXX DIN : 7735 Gd - HP 2062.8		IS - 2036 Gd F 1 BS - 2572 Gd F 1 NEMA : LI 1-1989 Gd-CE DIN : 7735 Gd - HP 2082		IS - 2036 Gd F 2 BS - 2572 Gd F 1 NEMA : LI 1-1989 Gd-C DIN : 7735 Gd - HP 2081		IS - 2036 Gd F 2 BS - 2572 Gd F 3 NEMA : LI 1-1989 Gd-C DIN : 7735 Gd - HP 2081		IS - 2036 Gd F 4 BS - 2572 Gd F 4 Material Description : Medium Weave fabric with good		IS - 2036 Gd F 4 BS - 2572 Gd F 4 Material Description : Medium Weave fabric reinforced			
SL. NO.	TEST ITEM	UNIT	CONDITION	TYPICAL VALUE	SPECIFICATION LIMIT	TYPICAL VALUE	SPECIFICATION LIMIT	TYPICAL VALUE	SPECIFICATION LIMIT	TYPICAL VALUE	SPECIFICATION LIMIT	TYPICAL VALUE	SPECIFICATION LIMIT	TYPICAL VALUE	SPECIFICATION LIMIT	TYPICAL VALUE	SPECIFICATION LIMIT	TYPICAL VALUE	SPECIFICATION LIMIT	TYPICAL VALUE	SPECIFICATION LIMIT	TYPICAL VALUE	SPECIFICATION LIMIT	TYPICAL VALUE	SPECIFICATION LIMIT	TYPICAL VALUE	SPECIFICATION LIMIT	TYPICAL VALUE	SPECIFICATION LIMIT	TYPICAL VALUE	SPECIFICATION LIMIT	TYPICAL VALUE	SPECIFICATION LIMIT		
1	Standard Colours	-	-	Brown, Tan & Black	-	Brown, Black & Dark Umber	-	Off White To White	-	Black	-	Brown& Black	-	Brown& Black	-	Light Brown	-	Dark Brown& Black	-	Light Brown to Pale Yellow	-	Dark Brown	-	Light Brown	-	Light Brown	-	Light Brown	-	Light Brown	-	Light Brown	-	Pale White	-
2	Standard finish	-	-	Satin Metal	-	Satin metal	-	Satin Metal	-	Satin Metal	-	Satin Metal	-	Satin Metal	-	Satin Metal	-	Satin Metal	-	Satin Metal	-	Satin Metal	-	Satin Metal	-	Satin Metal	-	Satin Metal	-	Satin Metal	-	Satin Metal	-	Satin Metal	-
3	Thickness Range	mm	A	0.3 & Above	-	0.3 & Above	-	0.3 & Above	-	0.3 & Above	-	0.3 & Above	-	0.3 & Above	-	0.3 & Above	-	0.3 & Above	-	0.3 & Above	-	0.3 & Above	-	0.3 & Above	-	0.3 & Above	-	0.3 & Above	-	0.3 & Above	-	0.3 & Above	-	0.3 & Above	-
4	Module of Pressing	mm x mm	-	1220 x 1220 2440 x 1220 3450 x 1220	-	1220 x 1220 2440 x 1220 3050 x 1220	-	1220 x 1220 2440 x 1220 3050 x 1220	-	1220 x 1220 2440 x 1220 3050 x 1220	-	1220 x 1220 2440 x 1220 3050 x 1220	-	1220 x 1220 2440 x 1220 3050 x 1220	-	1220 x 1220 2440 x 1220 3050 x 1220	-	1220 x 1220 2440 x 1220 3050 x 1220	-	1220 x 1220 2440 x 1220 3050 x 1220	-	1220 x 1220 2440 x 1220 3050 x 1220	-	1220 x 1220 2440 x 1220 3050 x 1220	-	1220 x 1220 2440 x 1220 3050 x 1220	-	1220 x 1220 2440 x 1220 3050 x 1220	-	1220 x 1220 2440 x 1220 3050 x 1220	-	1220 x 1220 2440 x 1220 3050 x 1220	-	1220 x 1220 2440 x 1220 3050 x 1220	-
5.	Specific Gravity	-	A	1.38-1.41	-	1.38-1.41	-	1.44-1.46	-	1.38-1.41	-	1.38-1.41	-	1.36-1.38	-	1.34-1.36	-	1.34-1.36	-	1.35-1.37	-	1.33-1.35	-	1.35-1.37	-	1.36-1.38	-	1.36-1.38	-	1.35-1.37	-	1.35-1.37	-	1.5-1.6	-
6	Water Absorption at 100°C	mg/g (max)	E24/50-D242/3	140/270/390	446/689/772	100/210/320	446/689/320	150/310/440	446/689/772	190/350/480	446/689/772	250/400/520	393/579/642	75/100/125	129/242/315	60/105/120	-	40/90/110	69/135/175	28/36/65 1.0 /1.63.2mm	69/76/90 1.0 /1.63.2mm	30/40/55	40/63/68	50/130/160	206/294/339	75/150/210	206/294/339	80/200/275	206/294/339	50/120/180	136/194/224	30/60	145/151 1.16 2.4mm	-	
7	Cross Breaking Strength	M Pa (Min)	A	145	130	145	130	140	130	145	130	145	130	140	130	140	130	110	85	95	70	85	70	140	130	120	110	115	100	110	100	120	98	-	
8	Impact Strength (Charpy) (Edge-wise)	KJ/m2 (min)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.5	6	7.5	7	10	8.8	7.5	7	-	-	-		
9	Shear Strength (Flat Wise)	% (Max)	A	90	75	90	75	85	75	90	75	90	70	90	70	80	70	80	60	65	50	75	60	70	65	75	65	75	65	70	60	95	-		
10	compression Strength (Flat Wise)	% (Max)	A	0.5	3	0.6	3	0.6	3	0.6	3	0.8	3	0.5	3	0.6	3	0.5	3	0.8	3.5	0.5	2.5	-	-	-	-	-	-	-	-	-	-		
ELECTRICAL PROPERTIES																																			
11	Electric Strength (Flat Wise 11.0 mm/3.0 mm)	MV/mm (min)	A	-	-	-	-	-	-	-	-	15.0/9.5	12.7/8.4	15.0/9.5	12.7/8.4	15.0/9.5	12.7/8.4	14.0/9.0	12.7/8.4	15.9/5	12.7/8.4	15.9/5	12.7/8.4	2.0/1.2	1.72/0.94	1.0/0.8	0.84/0.5	1.0/0.5	0.84/0.5	7.0/5.0	6.3/4.0	-	-		
12	Electric Strength (Edge Wise)	KV (Min)	At 90°C in oil	-	-	-	-	-	-	-	-	25	20	30	20	30	20	30	25	30	25	35	30	5	2	2	1	2	1	17	15	CTI - 600V	CTI - 500V		
13	Loss Tangent At MHz	-	D24/23	-	-	-	-	-	-	-	-	-	-	-	-	-	0.042	0.045	0.035	0.045	0.032	0.038	-	-	-	-	-	-	-	-	-	-			
14	Permittivity at MHz	-	D24/23	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5.7	4.35	5.2	4.7	5	-	-	-	-	-	-	-	-	-	-			
15	Insulation Resistance	Meg-ohms	E24/50-D242/3	50	1	30	1	100	1	30	1	50	10	500	100	350	100	5000	1000	5000	1000	50,000	30,000	100	1	50	0.5	3	0.5	250	50	30	10		