

PRODUCT RANGE AND SPECIFICATIONS		P 100 / P 1001	P 900	F 9002	P 901	P 1007	P 116	P 1168	P 120	P 1111	P 124	F 1331	F 105	F 133	F 1331	F 1361																		
TEST PROCEDURES AS PER: 1. BS: 2784 PARTS 2.3 & 4		IS: 2036 Gnd P 1	IS: 2036 Gnd P 1	BS: 2572 Gnd P 1	IS: 2038 Gnd P 1	IS: 2038 Gnd P 1	IS: 2038 Gnd P 2	IS: 2038 Gnd P 2	IS: 2038 Gnd P 3	IS: 2038 Gnd P 3	IS: 2036 Gnd P 4	IS: 2036 Gnd F 1	IS: 2036 Gnd F 2	IS: 2038 Gnd F 2	IS: 2038 Gnd F 4	ISO: 1642-1987																		
2. ISO: 65, 176, 179		BS: 2572 Gnd P 1	BS: 2572 Gnd P 1	Material Description: Paper Phenolic Base with Polar White	NEMA: L1 1-1989 Gnd-X DIN: 7755 Gnd-HP-2061	NEMA: L1 1-1989 Gnd-X DIN: 7755 Gnd-HP-2061	NEMA: L1 1-1989 Gnd-X DIN: 7755 Gnd-HP-2061.5	NEMA: L1 1-1989 Gnd-X DIN: 7755 Gnd-HP-2061.5	NEMA: L1 1-1989 Gnd-X DIN: 7755 Gnd-HP-2061.5	NEMA: L1 1-1989 Gnd-X DIN: 7755 Gnd-HP-2061.5	NEMA: L1 1-1989 Gnd-F52 DIN: 7755 Gnd-HP-2062.1	NEMA: L1 1-1989 Gnd-F52 DIN: 7755 Gnd-HP-2062.5	NEMA: L1 1-1989 Gnd-C DIN: 7755 Gnd-HP-2062	NEMA: L1 1-1989 Gnd-C DIN: 7755 Gnd-HP-2061	Material Description: Medium Weave fabric with good electric	Material Description: Medium Weave fabric reinforced																		
Material Description:		Material Description:	Material Description:	Material Description:	Material Description:	Material Description:	Material Description:	Material Description:	Material Description:	Material Description:	Material Description:	Material Description:	Material Description:	Material Description:	Material Description:	Material Description:																		
Paper Base Mechanical and machine		Paper Base Laminate with good face		Paper Base Laminate with good punch		Paper Base Laminate with good heat		Paper Base Laminate with good heat		Paper Base Laminate with fine surface		Paper Base Laminate with good face		Medium Weave fabric reinforced		Coarse 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																	
1	Standard colour	-	-	Brown, Tan & Black	BS: 2572 (1990)	Brown, Black & Dark Umber	BS: 2572 (1990)	Off White To White	BS: 2572 (1990)	Black	BS: 2572 (1990)	Brown& Black	BS: 2572 (1990)	Light Brown	BS: 2572 (1990)	Dark Brown& Black	BS: 2572 (1990)	Light Brown to Pale Yellow	BS: 2572 (1990)	Dark Brown	BS: 2572 (1990)	Light Brown	BS: 2572 (1990)	Light Brown	BS: 2572 (1990)	Pale White	BS: 1642-1987							
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						
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						
4	Modulus of Processing	mm x mm	A	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	mg	A	1.36-1.41	-	1.36-1.41	-	1.44-1.46	-	1.36-1.41	-	1.36-1.37	-	1.36-1.37	-	1.36-1.37	-	1.36-1.37	-	1.36-1.37	-	1.36-1.37	-	1.36-1.37	-	1.36-1.37	-	1.36-1.37						
6	Water Absorption (max) 24hrs	mm <sup>2</sup> /2.7mm	(max)	E2450/D2423 140/270/360	446/689/772	1002/10/200 446/689/320	150/319/ 440	446/689/772	190/509/80	393/579/642	75/100/125	1292/42/315	69/105/120	-	40/90/110	69/135/175	28/66/65 1.0/1. 6/3.2mm	69/105/ 1.0/1. 6/3.2mm	30/40/55	40/63/68	50/130/160	206/294/339	791/502/10	206/294/339	80/200/275	206/294/339	50/120/180	136/194/224	30/80	146/151 (1.6/2.4) mm				
7	Cross Breaking Strength	M Pa (Msi)	A	145	130	145	130	140	130	145	130	145	130	140	130	140	130	140	130	110	85	95	70	85	70	140	130	120	110	100	110	100	120	98
8	Impact Strength (Edgewise)	KJ/m <sup>2</sup> (mi)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.5	6	7.5	7	10	8.8	7.5	7	-	-	-	-	-		
9	Shear Strength (Flat Wire)	% (Max)	A	90	75	90	75	85	75	90	75	90	70	80	70	80	60	65	50	75	60	70	65	75	65	75	65	70	60	95	-	-		
10	Compression Strength (Flat Wire)	% (Max)	A	0.5	3	0.6	3	0.6	3	0.6	3	0.8	3	0.5	3	0.8	3	0.5	3	0.8	3.5	0.5	2.5	-	-	-	-	-	-	-	-	-		
11	Electric Strength (Flat Wire) 11.0	MV/m (mi)	A	-	-	-	-	-	-	15.0/5.5	12.7/8.4	15.0/5.5	12.7/8.4	15.0/5.5	12.7/8.4	14.0/9.0	12.7/8.4	15.0/5.5	12.7/8.4	2.0/1.2	1.7/20.94	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 Wire)	KV (Msi)	AJ 90s C in oil	-	-	-	-	-	-	25	20	30	20	30	25	30	25	30	30	5	2	2	1	2	1	17	15	CTI: 600V	CTI: 500V	-	-			
13	Leakage Current	mA	D2423	-	-	-	-	-	-	0.042	0.046	0.036	0.045	0.032	0.038	-	-	-	0.038	-	-	-	-	-	-	-	-	-	-	-	-	-		
14	Frequency at Resonance	MHz	D2423	-	-	-	-	-	-	5	5.7	4.35	5.2	4.7	5	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-		
15	Resistance	Meg-ohms	E2450/D2423	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	