

Switchboard Panel 6.0mm Industrial Laminate Grade

Technical Data

Grade: Type X as per Australian standard. AS 1795-1983

Thickness: 4.5mm to 25.0mm

Size: 2440mm x 1220mm



Properties

SR	TEST	UNIT	REQUIREMENT	AVERAGE TEST RESULT	AS 1795 PART 1 1983 REFERENCE CL. TYPE X FOR TEST METHOD & REQUIREMENT
1	Water Absorption	Mgs	As per table 3.1 of AS 1795 I, 1993	118mg	Cl 3.1
2	IR	Mega ohms	10 mega ohms (minimum)	350 mega ohms	3.3
3	Edgewise ES 1.6mm and above	KV	3kv minimum	4 Kv proof	3.4
4	Cross breaking strength	Mpa	100 Mpa Minimum.	122	3.11
5	Flammability Test	Sec.	Not > Avg. 30 sec. for 5 pieces Not > 60 sec. for individual	Avg. 26sec. for 5 Pieces	3.13
6	Impact Strength (Charpy)	Joules	----	0.7	ASK 94/306A
7	Punching	---	Ok No cracks at holes	Complies	-----

Test methods for above test, conditioning, criteria for acceptance shall be used as per AS 1795.1 1983

SR	PROPERTY AS PER IS:2036/1995	UNIT MM	AS 1795 PART 1 1983 REFERENCE CL. TYPE X FOR TEST METHOD & REQUIREMENT	REQUIREMENT AS PER GRADE PF CP 201 EN 60893:2004	TYPICAL VALUE
1	Cross breaking strength (Flexural strength) (avg of direction A & direction B) (not <1.6mm)	MPa	100 minimum	135 minimum	140
2	Shear strength, Flatwise not <1.6mm	MPa	N.A	----	80
3	Water absorption	mg.	110 Maximum	650 maximum	110
5	Electrical strength flatwise in oil @ 90°C (not >3.0mm)	KV	N.A	N.A	N.A
6	Electrical strength,edgewise in oil @ 90°C (not <3.0mm)	KV	3KV minimum	N.A	4Kv proof
8	Permittivity at 1 MHz	---	N.A	N.A	N.A
9	Insulation resistance after immersion in water	Mega ohms	10 mega ohms (minimum)	N.A	350 Mega ohms
10	Thickness	mm	+/- 0.34 for 5.0mm	+/- 0.34 for 5.0mm	5.0mm
11	Machinability		Can be drilled, turned, sawn etc.	Cab be drilled, turned, sawn etc.	Complies
12	Resistance to hot oil		No splitting, blistering etc.	No splitting, blistering etc	Complies

Test methods for above test, conditioning, criteria for acceptance shall be used as per AS 1795.1 1983

Ordering Information

Part Numbers: FPMW-BK-UN-BL, PBFP-390, PBFP-540, FPL-BK-UN-BL, FPLW-BK-UN-BL, PBFP-240

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