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CATALOGUE



FORMITE

Enabling Infinite Possibilities .

OUR MISSION

"We bring joy to your life by creating beautiful interiors & enhancing your lifestyles while being the leading brand in the decorative surface industry, offering innovative & creative designs in both local and international markets."



OUR PRODUCTS



TECHNICAL LAMINATES

Technical Laminates can be categorized under two types:

MELAMITE (BAKELITE) - Paper based phenolic laminates [British Standard BS (EN 60893-3-4: 2004)]

ELECTRICAL GRADE P1

The paper based P1 (PFCP 201) has mechanical applications and mechanical properties far better than other PFCP types. It is low tension electrical insulating material and has high mechanical strength. Its performance under non-humid condition is excellent.

It is a preferred choice for its electrical properties at normal humidity and has various utilities including usage as insulation in pressure blocks for transformers, insulation in electric motors, switch gears and panels insulation barrier.

Recommended Thicknesses: range 0.4 mm to 35 mm

ELECTRICAL GRADE P2

It has excellent mechanical and electrical properties. It can also be used in oil for electrical industry. It machines well and punches well under warm condition.

Recommended Thicknesses: range 0.4 mm to 50 mm

OUR PRODUCTS



ELECTRICAL GRADE BAKELITE TESTING

GRADE: P1

THICKNESS: 01 mm

S#	TEST TITLE	LIMIT	RESULT
01	Insulation resistance before immersion in water		> 2000 MΩ
02	Insulation resistance after immersion in water (24 hrs)	Min. 0.1 MΩ	35 MΩ to 2000 MΩ
03	Impact strength per 12.7 mm	0.35 ft-lbf	0.65-0.85 ft-lbf
04	Dry heat test (07 hrs at 105°C)	No splitting, blistering or delamination	No splitting, blistering or delamination
05	Oil Resistance test (24 hrs at 105°C)	No splitting, blistering or delamination	No splitting, blistering or delamination
06	Water absorption test (24 hrs)	Max. 450 mg	35-70 mg (approx.)
07	High voltage test (withstand for 01 minute)	3.2 KV	Withstand 3.2 KV for 1 minute

OUR PRODUCTS



ELECTRICAL GRADE BAKELITE TESTING

GRADE: P1

THICKNESS: 02 mm

S#	TEST TITLE	LIMIT	RESULT
01	Insulation resistance before immersion in water		> 2000 MΩ
02	Insulation resistance after immersion in water (24 hrs)	Min. 0.1 MΩ	35 MΩ to 2000 MΩ
03	Impact strength per 12.7 mm	0.35 ft-lbf	0.65-0.85 ft-lbf
04	Dry heat test (07 hrs at 105°C)	No splitting, blistering or delamination	No splitting, blistering or delamination
05	Oil Resistance test (24 hrs at 105°C)	No splitting, blistering or delamination	No splitting, blistering or delamination
06	Water absorption test (24 hrs)	Max. 500 mg	40-80 mg (approx.)
07	High voltage test (withstand for 01 minute)	5.76 KV	Withstand 5.76 KV for 1 minute

OUR PRODUCTS



ELECTRICAL GRADE BAKELITE TESTING

GRADE: P1

THICKNESS: 03 mm

S#	TEST TITLE	LIMIT	RESULT
01	Insulation resistance before immersion in water		> 2000 MΩ
02	Insulation resistance after immersion in water (24 hrs)	Min. 0.1 MΩ	35 MΩ to 2000 MΩ
03	Impact strength per 12.7 mm	0.35 ft-lbf	0.65-0.85 ft-lbf
04	Dry heat test (07 hrs at 105°C)	No splitting, blistering or delamination	No splitting, blistering or delamination
05	Oil Resistance test (24 hrs at 105°C)	No splitting, blistering or delamination	No splitting, blistering or delamination
06	Water absorption test (24 hrs)	Max. 550 mg	50-90 mg (approx.)
07	High voltage test (withstand for 01 minute)	6.72 KV	Withstand 6.72 KV for 1 minute

OUR PRODUCTS



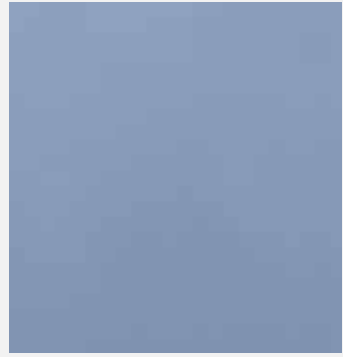
POWER FREQUENCY VOLTAGE WITHSTAND TEST AS PER THICKNESSES

THICKNESS (MM)	P1 (KV)	P2 (KV)
1	3.2	8
2	5.76	14.4
3	6.72	16.8
4	08	20
6	10	26
8	13	32
10	15	37
12	17	42
15	19	49
18	22	55
20	23	59
21.5	24.5	61

THICKNESS (MM)	P1 (KV)	P2 (KV)
22	25	63
23	25.6	65.5
25	27	68
27	28.6	72
27.5	29	73
29.5	30.6	77
30	31	78
33	33	83
33.5	32.26	83.7
34.5	33.7	85.2
35	34	86
38	35.8	90.8

THICKNESS (MM)	P1 (KV)	P2 (KV)
39	36.4	92.4
40	37	94
42	38.6	97.2
42.5	39	98
43.5	41.4	99.6
45	41	102
46	41.63	103.6
48	42.89	107
49	43.45	108.7
50	44	110.4
57	48.3	121
60	50.1	126

SOLIDS



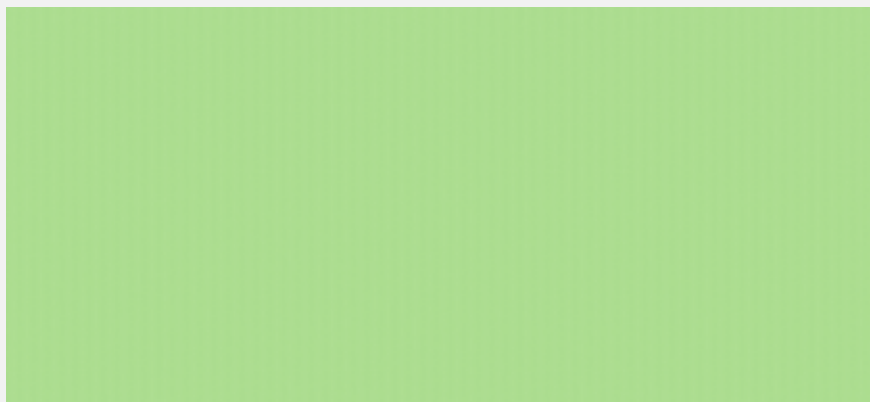
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SOLIDS



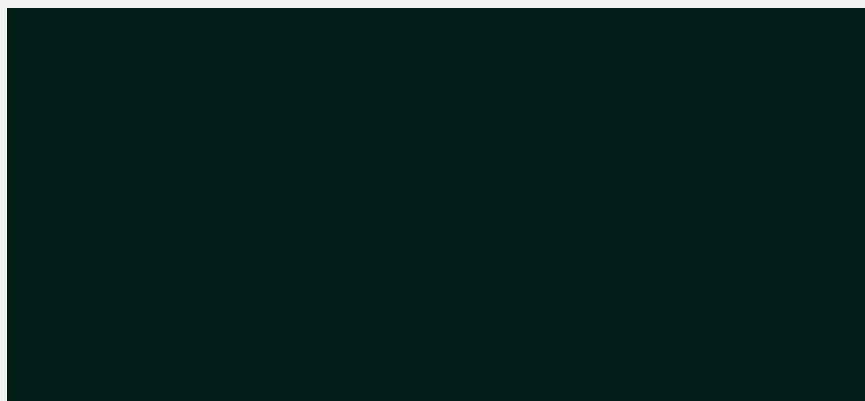
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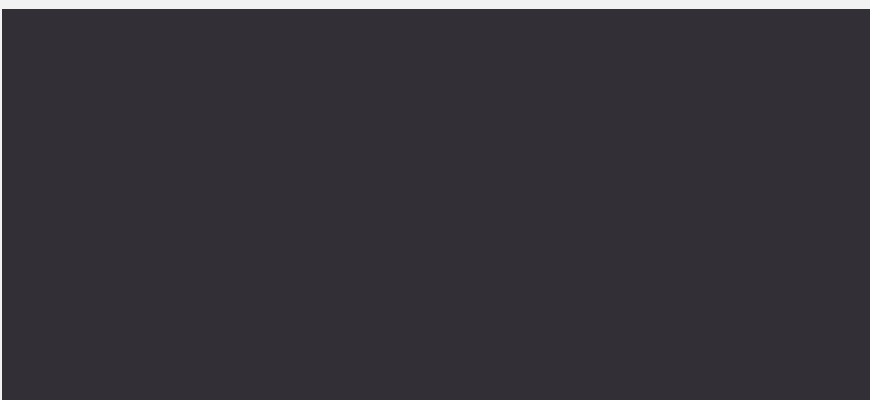
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SOLIDS



7022



8903



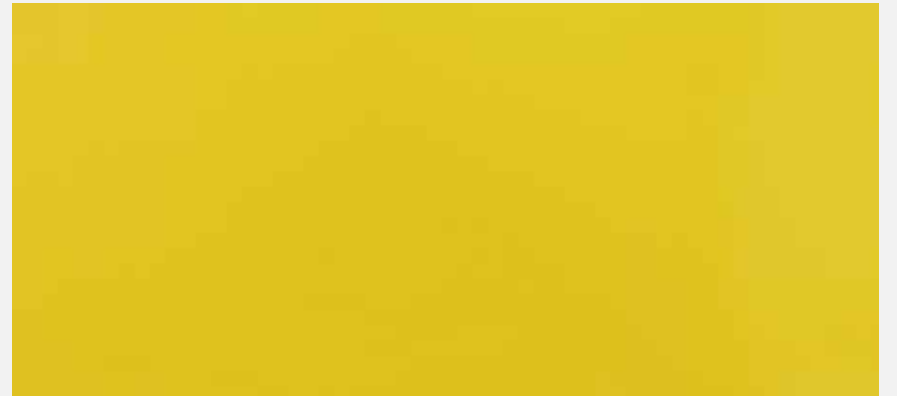
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SOLIDS



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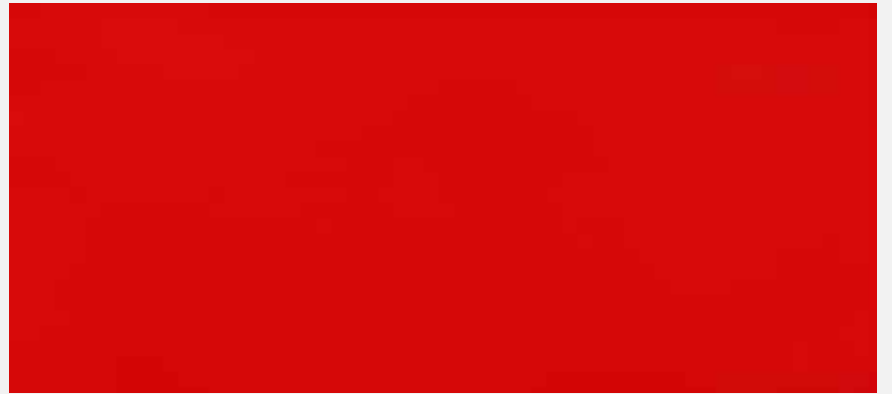
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SOLIDS



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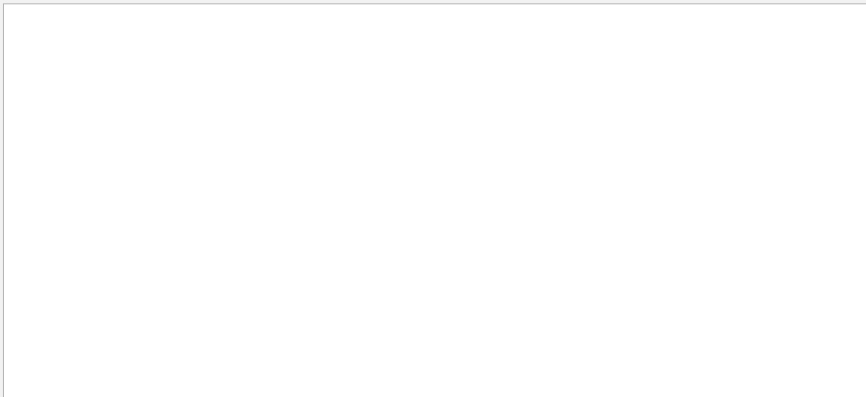
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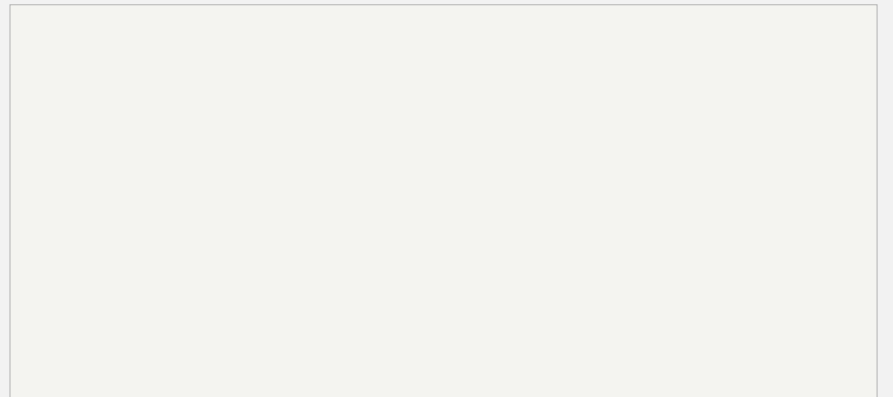
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7100



7600



7601

SOLIDS



5000



5001



5002



5003



5004



5005

SOLIDS





U n i q u e n e s s P e r s o n i f i e d

Thal Limited - Balochistan Laminates Division remain the leader in the decorative surface industry in Pakistan. The Company's tradition to transform ambiances continues, delivering on the promise of top-quality products. Formite has enabled imaginations to Infinite Possibilities.

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