

0.8mm Laminates

HPL
High Pressure Laminates

Technical Data Sheet

Technical Specifications | 0.8mm Laminates | High Pressure Laminates



0.8MM LAMINATES/HPL					
1	Product Features	Dorby Mica 0.8mm Laminates			
2	Classification (BIS 2046:1995)	Table 1 - Clause 4	VGS	VGS	
TEST METHOD AS PER IS 2046:					
S.NO.	PROPERTIES	1995	UNIT	SPECIFIED VALUES	Typical Dorby Vesta Values
DIMENSIONAL PROPERTIES					
1	Length & Width	5.4.6	mm	1220 x 2440 +10 -0	Conforms
2	Thickness & Maximum Variation	5.3.1	mm	0.80 mm ±0.10 %	Conforms
3	Flatness	5.4.5	mm	120mm (max)	80mm (max)
4	Edges Straightness	5.4.7	mm/M	1.5mm (max)	Conforms
5	Edges Squareness	5.4.8	mm/M	1.5mm (max)	Conforms
SURFACE PROPERTIES					
1	Surface Quality				
	a) Spot, Dirt & similar surface defects	5.4.1.1	mm ²	1mm ² /M ² (max)	Conforms
	b) Fibers, Hairs & Scratches	5.4.1.2	mm	10mm/M ² (max)	Conforms
2	Resistance to steam	5.5 - Table 7 (xv)	Grade	Not worse than 4	Conforms
3	Resistance to surface wear	5.5 - Table 7 (i)	Rev.	150 (min) (FP)	Conforms
4	Resistance to scratching	5.5 - Table 7 (ix)	N	> = 1.75	2.0 (Min)
5	Resistance to staining	5.5 - Table 7 (x)			
		Group 1 & 2	Grade	Not worse than 5	Conforms
		Group 3 & 4	Grade	Not worse than 4	Conforms
6	Resistance to color change in xenon Arc light	5.5 - Table 7 (xi)	Min	6 (min)	Conforms
PHYSICAL PROPERTIES					
1	Resistance to immersion in boiling water				
	a) Mass increase	5.5 - Table 7 (ii)	%	12 (max)	11 (Max)
	b) Thickness increase	5.5 - Table 7 (ii)	%	14 (max)	8 (Max)
	c) Appearance	5.5 - Table 7 (ii)	Grade	Not worse than 4	Conforms
2	Dimensional stability at deviated temperature				
	a) Longitudinal	5.5 - Table 7 (iv)	%	0.65	Conforms
	b) Transverse	5.5 - Table 7 (iv)	%	1.15	Conforms
3	Resistance to impact by small diameter ball	5.5 - Table 7 (vi)	N	20 (min)	Conforms
4	Resistance to cracking	5.5 - Table 7 (viii)	Grade	Not worse than 4	Conforms

Nomenclature :

1) Class/Rating - 1 = Surface Damage, 2 = Severe Appearance alteration, 3 = Moderate change, 4 = Slight visible change at certain angle, 5 = No change

Note : Whereas Dorby products are manufactured thoroughly to standards, the nature of the application procedure is beyond our control. The values given best of our knowledge but without liability/warranty, expressed or implied.

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