Technical Specifications

Compact Laminates

Thickness: 4mm & 6mm

S. NO.	PROPERTIES	UNIT	TEST METHOD AS PER EN 438 Part 2&3: 2005	4mm		6mm	
				Specified value as per BSEN 438-4: 2005	GREENLAM VALUES	Specified value as per BSEN 438-4: 2005	GREENLAM VALUES
1	CLASSIFICATION		EN 438-4- 4	CGS			
2	Thickness	mm	EN 438-2 - 5	4.0 ± 0.30	4.0 ± 0.20	6.0 ± 0.40	6.0 ± 0.30
3	Resistance to Dry Heat at 180° C	Rating	EN 438-2 -16	Not worse than 4	5	Not worse than 4	5
4	Resistance to Surface Wear	Rev.	EN 438-2 -10	350 (min.)	400	350 (min.)	400
5	Resistance to Immersion in Boiling Water		EN 438-2 - 12				
	a) Mass Increase	%		5.0 (max.)	0.6	2.0 (max.)	0.55
	b) Thickness	%		6.0 (max.)	0.8	2.0 (max.)	0.72
	c) Appearance	Rating		Not worse than 4	5	Not worse than 4	5
6	Dimensional Stability at Elevated Temperature		EN 438-2 - 17				
	a) Longitudinal	%		0.40(max.)	0.10	0.30(max.)	0.09
	b) Transverse	%		0.80 (max)	0.20	0.60 (max)	0.15
7	Resistance to Impact by Large Diameter Ball						
	a) Drop Height	cm	EN 438-2 - 21	1400	1800	1800	1900
	b) Diameter of Indentation	mm		10 (max)	6	10 (max)	5
8	Resistance to Scratching	N	EN 438-2 - 25	2.0 (min.)	2.5	2.0 (min.)	2.5
9	Resistance to staining Group 1 & 2	Rating	EN 438-2 - 26	5	5	5	5
	Group 3	Rating		4	≥ 4	4	≥ 4
10	Resistance to Colour Change						
	In Xerox Arc Light (Grey scale)	Rating	EN 438-2 - 27	4 to 5	6	4 to 5	6
11	Resistance to Cigarette Burns	Rating	EN 438-2 - 30	Not worse than 3	4	Not worse than 3	4
12	Resistance to Water vapour	Rating	EN 438-2 - 14	Not worse than 4	5	Not worse than 4	5
13	Resistance to Crazing	Rating	EN 438-2 - 24	Not worse than 4	5	Not worse than 4	5
14	Flexural Modulus	Mpa	EN ISO 178:2003	9000 (min.)	11000-12000	9000 (min.)	11000-12000
15	Flexural Strength	Mpa	EN ISO 178:2003	80 (min.)	100-120	80 (min.)	100-120
16	Tenstile Strength	Mpa	EN ISO 527-2:1996	60 (min.)	80-90	60 (min.)	80-90
17	Density	g/cm^3	EN ISO 1183 -1:2004	1.35	1.40	1.35	1.40

Technical Specifications

Compact Laminates

Thickness: 9mm, 12mm & 18mm

S. NO.	PROPERTIES	UNIT	TEST METHOD AS PER EN 438 Part 2&3: 2005	9mm		12.00mm		18.00 mm	
				Specified value as per BSEN 438-4: 2005	GREENLAM VALUES	Specified value as per BSEN 438-4: 2005	GREENLAM VALUES	Specified value as per BSEN 438-4: 2005	GREENLAM VALUES
1	CLASSIFICATION		EN 438-4- 4	CGS					
2	Thickness	mm	EN 438-2 - 5	9.0 ± 0.50	9.0 ± 0.40	12.0 ± 0.60	12.0 ± 0.40	18.0 ± 0.70	18.0 ± 0.45
3	Resistance to Dry Heat at 180° C	Rating	EN 438-2 -16	Not worse than 4	5	Not worse than 4	5	Not worse than 4	5
4	Resistance to Surface Wear	Rev.	EN 438-2 -10	350 (min.)	400	350 (min.)	400	350 (min.)	400
5	Resistance to Immersion in Boiling Water		EN 438-2 - 12						
	a) Mass Increase	%		2.0 (max.)	0.48	2.0 (max.)	0.5	2.0 (max.)	0.2
	b) Thickness	%		2.0 (max.)	0.7	2.0 (max.)	0.7	2.0 (max.)	0.4
	c) Appearance	Rating		Not worse than 4	5	Not worse than 4	5	Not worse than 4	5
6	Dimensional Stability at Elevated Temperature		EN 438-2 - 17						
	a) Longitudinal	%		0.30(max.)	0.08	0.30(max.)	0.07	0.30(max.)	0.07
	b) Transverse	%		0.60 (max)	0.14	0.60 (max)	0.14	0.60 (max)	0.12
7	Resistance to Impact by Large Diameter Ball								
	a) Drop Height	cm	EN 438-2 - 21	1800	2000	1800	2100	1800	2100
	b) Diameter of Indentation	mm		10 (max)	4	10 (max)	4	10 (max)	4
8	Resistance to Scratching	N	EN 438-2 - 25	2.0 (min.)	2.5	2.0 (min.)	2.5	2.0 (min.)	2.5
9	Resistance to staining Group 1 & 2	Rating	EN 438-2 - 26	5	5	5	5	5	5
	Group 3	Rating		4	≥ 4	4	≥ 4	4	≥ 4
10	Resistance to Colour Change								
	In Xerox Arc Light (Grey scale)	Rating	EN 438-2 - 27	4 to 5	6	4 to 5	6	4 to 5	6
11	Resistance to Cigarette Burns	Rating	EN 438-2 - 30	Not worse than 3	4	Not worse than 3	4	Not worse than 3	4
12	Resistance to Water vapour	Rating	EN 438-2 - 14	Not worse than 4	5	Not worse than 4	5	Not worse than 4	5
13	Resistance to Crazing	Rating	EN 438-2 - 24	Not worse than 4	5	Not worse than 4	5	Not worse than 4	5
14	Flexural Modulus	Mpa	EN ISO 178:2003	9000 (min.)	11000-12000	9000 (min.)	11000	9000 (min.)	12000
15	Flexural Strength	Mpa	EN ISO 178:2003	80 (min.)	100-120	80 (min.)	120	80 (min.)	120
16	Tenstile Strength	Mpa	EN ISO 527-2:1996	60 (min.)	80-90	60 (min.)	90	60 (min.)	90
17	Density	g/cm^3	EN ISO 1183 -1:2004	1.35	1.40	1.35	1.40	1.35	1.40

Decorative Laminates Dimensions (in feet)	Dimensions (in millimeter)
3 x 7 *	914 x 2134
4 x 8	1220 x 2440
4.25 x 10*	1300 x 3050
5 x 12*	1525 x 3660

Compact Laminates Dimensions (in feet)	Dimensions (in millimeter)
4 x 8	1220 x 2440
4.25 x 10**	1300 x 3050
5 x 6**	1525 x 1830
5 x 12**	1525 x 3660
6 x 6**	1830 x 1830
6 x 12**	1830 x 3660

Note: Please refer to index on range offering in above mentioned dimensions or contact your local representative for more information.
** Other thickness and sizes are also available as per requirement. Pls contact local representative for more information.
* Please contact local representative for complete range offering.