

EXTERIOR GRADE COMPACT LAMINATE
SIZE : 2440 mm. X 1220 mm.

Sl.No.	Properties	EDF Grade Specification As per EN 438-part 6	XCL Values
1	Thickness (mm.) (max.)		
	$5.00 \leq t < 8.00$ (mm.)	6.00 ± 0.40 mm.	6.15 mm.
2	Length (mm.)	$2440.00 + 10.00 / - 0.00$ mm.	2441.00 mm.
3	Width (mm.)	$1220.00 + 10.00 / - 0.00$ mm.	1221.00 mm.
4	Edge Straightness mm. (max.)	1.50 mm. / m.	0.90 mm. / m.
5	Edge Squareness mm. (max.)	1.50 mm. / m.	0.80 mm. / m.
6	Flatness (mm.) (max.)		
	$2.00 \leq t < 6.00$ mm.	8.00 mm. / m.	4.00 mm. / m.
	$6.00 \leq t < 10.00$ mm.	5.00 mm. / m.	2.50 mm. / m.
	$t \geq 10.00$ mm.	3.00 mm. / m.	1.30 mm. / m.
7	Flexural Modulus (min.)	9000 Mpa.	13966 Mpa.
8	Flexural Strength (min.)	80 Mpa.	114 Mpa.
9	Tensile Strength (min.)	60 Mpa.	66 Mpa.
10	Density, gm. / cm ³ (min.)	1.35 gm. / cm ³	1.45 gm. / cm ³
11	Resistance to impact by large diameter ball,		
	a) Drop height mm. (min.)		
	$2.00 \leq t < 5.00$ mm. (t=nominal thickness)	1400.00 mm.	1600.00 mm.
	$t \geq 5.00$ mm.	1800.00 mm.	2000.00 mm.
	b) Indentation dia. mm. (max.)	10.00 mm.	6.00 mm.
12	Resistance to wet conditions		
	a) Mass increase (%) max.		
	$2.00 \leq t < 5.00$ mm. (t=nominal thickness)	10%	4%
	$t \geq 5.00$ mm.	8%	3%
	b) Appearance not worse than	Rating 4	Rating 5
13	Dimensional stability at elevated temperature,		
	$2.00 \leq t < 5.00$ mm. (t=nominal thickness)		
	a) Longitudinal, % max.	0.40%	0.25%
	b) Transverse, % max.	0.80%	0.45%
	$t \geq 5.00$ mm.		
14	Resistance to climatic shock		
	a) Appearance	Rating 4	Rating 4
	b) Flexural Strength index, min.	0.95	1.10
	c) Flexural modulus index, min.	0.95	1.50
15	Resistance to artificial weathering (Including Light fastness)	After 650 MJ/m ² radiant Exposure (3000 hrs)	3000 hrs passes
	a) Gray scale rating (not worse than)	Rating 3	Rating 4
	b) Appearance (min.)	Rating 4	Rating 4
16	Resistance to UV light	Ater 1500 hrs Exposure	1500 hrs passes
	a) Gray scale rating (not worse than)	Rating 3	Rating 4
	b) Appearance (min.)	Rating 4	Rating 4
17	Spread of flame	Class 1	Class 1
Remark: E (Exterior Grade), D (Severe use), F (Flame Retardant Grade)			

