

Errata to
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High-Pressure Decorative Laminates

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Section 2 PERFORMANCE PROPERTIES AND VALUES

2.1 PERFORMANCE PROPERTIES

The performance properties and values shall be as shown in Table 2-1 through 2-4.

**Table 2-1
PERFORMANCE PROPERTIES**

LD 3 Test Method	Property	Grade** Units	General Purpose				Post-Forming		Flame Retardant		
			HGS	HGL	VGS	VGL	HGP	VGP	SGF	HGF	VGf
	Nominal Thickness	mm (In.)	1.2 (0.048)	1.0 (0.039)	0.7 (0.028)	0.5 (0.020)	1.0 (0.039)	0.7 (0.028)	1.5 (0.059)	1.2 (0.048)	0.8 (0.032)
	Thickness Tolerance	mm (In.)	±0.12 (±0.005)	±0.12 (±0.005)	0.10 (±0.004)	±0.10 (±0.004)	±0.12 (±0.005)	±0.10 (±0.004)	±0.12 (±0.005)	±0.12 (±0.005)	±0.12 (±0.005)
3.1	Appearance		See Section 3.1 and Table 2-4 for Requirements								
3.2	Surface Finish		See Table 1-1								
3.3	Light Resistance	Rating,* Min.	SL	SL	SL	SL	SL	SL	SL	SL	SL
3.4	Cleanability	Rating,* Max.	20	20	20	20	20	20	20	20	20
	Stain 1 – 10	Rating,* Min.	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Stain 11 – 15	Rating,* Min.	M	M	M	M	M	M	M	M	M
3.5	Boiling Water Resistance	Rating,* Min.	NE	NE	NE	NE	SL	SL	NE	NE	NE
3.6	High Temperature Resistance	Rating,* Min.	SL	SL	SL	SL	SL	SL	SL	SL	SL
3.7	Linear Glass Scratch Resistance		See Chart 3-1 of Section 3.7.7								
3.8	Ball Impact Resistance	mm (in.) Min.	1250 (50)	900 (35)	500 (20)	400 (15)	750 (30)	500 (20)	1400 (55)	1150 (45)	500 (20)
3.9	Dart Impact Resistance	Mm (in) Min.	500 (20)	300 (12)	200 (8)	...	300 (12)	200 (8)	550 (22)	450 (18)	200 (8)
3.10	Radiant Heat Resistance	Sec., Min.	125	100	80	60	100	80	125	75	50
3.11	Dimensional Change	% MD, Max.	0.5	0.6	0.7	0.8	1.1	1.1	0.5	0.5	0.7
		% CD, Max.	0.9	1.0	1.2	1.3	1.4	1.4	0.9	0.9	1.2
3.12	Room Temperature Dimensional Stability	% MD, Max.	0.5	0.6	0.6	0.8	1.0	1.0	0.5	0.5	0.7
		% CD, Max.	0.8	1.0	1.1	1.3	1.3	1.3	0.9	0.9	1.2
3.13	Wear Resistance	Cycles, Min.	400	400	400	400	400	400	400	400	400
3.14	Formability	mm (In) Radius, Min.	...	...	...	...	16 (5/8)	13 (1/2)	...	...	...
3.15	Blister Resistance	Sec., Min.	...	...	...	...	55	40	...	...	...

* Rating System: NE-No effect, SL-Slight effect, M-Moderate effect, S-Severe effect.

** Grade designations are not acronyms

Table continued, next page

Table 2-1
PERFORMANCE PROPERTIES (continued)

LD 3 Test Method	Property	Grade** Units	High Wear			Specific Purpose		Compact Laminate		Cabinet Liner
			HDH	HDM	HDS	HSH	HSM	CGS		CLS
	Nominal Thickness	mm (In.)	3.0 (0.118)	1.5 (0.059)	1.2 (0.048)	3.0 (0.118)	1.5 (0.059)	>6.0 (>0.236)	2.0-6.0 (0.079-0.236)	0.5 (0.020)
	Thickness Tolerance	mm (In.)	±0.20 (±0.008)	±0.12 (±0.005)	±0.12 (±0.005)	±0.20 (±0.008)	±0.12 (±0.005)	± 5% of Thickness	±0.30 (±0.012)	±0.10 (±0.004)
3.1	Appearance		See Section 3.1 and Table 2-4 for Requirements							...
3.2	Surface Finish		See Table 1-1							
3.3	Light Resistance	Rating,* Min.	SL	SL	SL	SL	SL	SL	SL	M
3.4	Cleanability	Rating,* Max.	20	20	20	20	20	20	20	20
	Stain 1 – 10	Rating,* Min.	NE	NE	NE	NE	NE	NE	NE	M
	Stain 11 – 15	Rating,* Min.	M	M	M	M	M	M	M	M
3.5	Boiling Water Resistance	Rating,* Min.	NE	NE	NE	NE	NE	NE	NE	M
3.6	High Temperature Resistance	Rating,* Min.	SL	SL	SL	SL	SL	SL	SL	M
3.7	Linear Glass Scratch Resistance		See Chart 3-1 of Section 3.7.7							
3.8	Ball Impact Resistance	mm (in.) Min.	1900 (75)	1400 (55)	1250 (50)	1900 (75)	1400 (55)	1900 (75)	1900 (75)	250 (10)
3.9	Dart Impact Resistance	Mm (in.) Min.	600 (24)	550 (22)	500 (20)	600 (24)	550 (22)	...	...	...
3.10	Radiant Heat Resistance	Sec., Min.	200	150	125	200	150	200	200	...
3.11	Dimensional Change	% MD, Max.	0.3	0.5	0.5	0.3	0.5	0.3	0.3	1.2
		% CD, Max.	0.7	0.9	0.9	0.7	0.9	0.7	0.7	2.0
3.12	Room Temperature Dimensional Stability	% MD, Max.	0.3	0.5	0.5	0.3	0.5	0.3	0.3	1.2
		% CD, Max.	0.7	0.8	0.8	0.7	0.9	0.7	0.7	2.0
3.13	Wear Resistance	Cycles, Min.	3000	3000	3000	400	400	400	400	50

* Rating System: NE-No effect, SL-Slight effect, M-Moderate effect, S-Severe effect.

** Grade designations are not acronyms