

TABLE # 02

technical specifications

*NEMA LD.3/EN-438 STANDARD METHOD	LAMINATE TYPE		HORIZONTAL GENERAL S Grade 70			HORIZONTAL GENERAL PST-F. Grade 50			VERTICAL GENERAL PST-F. Grade 30			VERTICAL GENERAL S Grade 10		
	PROPERTY	UNITS	LAMITECH*	NEMA LD.3	EN 438	LAMITECH*	NEMA LD.3	EN 438	LAMITECH*	NEMA LD.3	EN 438	LAMITECH*	NEMA LD.3	EN 438
			F12	HGS	HGS	PF10	HGP	HGP	PF8	VGP	VGP	F6	CL	
3.1.5 / 5	NOMENCLATURE													
	NOMINAL THICKNESS		0.048	(1.20)		0.039	(1.0)		0.028	(0.7)		0.020	(0.5)	
	THICKNESS TOLERANCE	In (mm.)	+/-0.005 (+/- 0.12)			+/-0.005 (+/- 0.12)			+/-0.004 (+/- 0.10)			+/-0.002 (+/- 0.05)		
3.1 / 4	APPEARANCE		Not A,B,C, defects			Not A,B,C, defects			Not A,B,C, defects			Not A,B,C, defects		
3.13 / 10	WEAR RESISTANCE	Initial Point (Cycles - min.) Total Wear (Cycles - min.)	350 600	- 400	150 350	350 600	- 400	150 350	350 600	- 400	50 150	350 600	- 50	50 150
3.13 / 17	DIMENSIONAL CHANGE													
	Direction Machine	% max.	0.30	0.50	0.45	0.40	1.10	0.55	0.60	1.10	0.75	0.50	0.80	NA
	Cross Machine	% max.	0.55	0.90	0.90	0.70	1.40	1.05	0.90	1.40	1.25	0.80	1.30	NA
3.5	BOILING WATER RESISTANCE (Tea Pot)	effect	NE	NE	NA	SL	SL	NA	SL	SL	NA	NE	NE	NA
3.6 / 16	RESISTANCE TO DRY HEAT (Hot Pot-180°)	Gloss Finish (effect) Other Finishes (effect)	SL SL	SL SL	3 4	SL SL	SL SL	3 4	SL SL	SL SL	3 4	SL SL	SL SL	NA
3.9 / 20	RESISTANCE TO IMPACT BY SMALL DIAMETER BALL	min. (mm.) Newton (min.)	NA 25	500 NA	NA 20	NA 25	300 NA	NA 20	NA 20	200 NA	NA 15	NA NA	NA NA	NA
3.8 / 21	RESISTANCE TO IMPACT BY LARGE DIAMETER BALL	min. (mm.)	1500	1250	800	1200	750	800	1000	500	600	700	400	NA
3.7 / 25	SCRATCH RESISTANCE	Grade (Not Worse Than)	3	3	3	3	3	3	2	2	2	2	2	2
3.4 / 26	RESISTANCE TO STAINING CLEANABILITY	Rating (max.)	12	20	NA	12	20	NA	12	20	NA	12	20	NA
	Group 1 and 2 (Stain 1-10)	effect	5	NE	5	5	NE	5	5	NE	5	5	NE	NA
	Group 3 (Stain 11-15)	effect	4	M	4	4	M	4	4	M	4	4	M	NA
3.3 / 27	LIGHT RESISTANCE	Grade (Scale Gray)	5	SL	4 - 5	5	SL	4 - 5	5	SL	4 - 5	5	SL	NA
3.14 / 31 or 32	FORMABILITY	Radius (min.)	NA	NA	NA	9.5	16	18	7.5	13	14	NA	NA	NA
3.15 / 33 or 34	RESISTANCE TO BLISTERING	Time to Blister min. (12 - 11) sec.	NA	NA	NA	15	15	15	12	12	10	NA	NA	NA
3.1.6 / 9	FLATNESS	% max.	12.0	12.0	NA	12.0	12.0	NA	12.0	12.0	NA	12.0	12.0	NA

Effect : No Effect = 5 = NE, Slight Effect = 4 = SL, Moderate Effect = 3 = M, Severe Effect = 1-2 = S, NA = Not Apply, Nema LD.3 / 2005 America, EN-438 / 2005 Europe.

Useful information

A. All laminates are manufactured for indoor applications and should not be exposed to sunlight or temperatures above 270°F (130°C).

B. Laminate stock should be stored in a dry place with humidity levels preferably below 50% and temperatures not exceeding 77°F (25°C maximum). If these conditions can not be met during storage, it is advisable to expose laminates to a similar environment 48 hours before use.

C. If you are going to postform, we recommend consulting our postforming manual or contacting our technical department.

D. Lamitech decorative surfaces are easy to maintain with simple household elements. Cleaning should be done with soft non-abrasive detergents and water.

CAUTION: Extreme precautions should be taken with bleaches since discoloration may occur. High abrasion detergents will deteriorate and possibly scratch surface. Detergent labels should be fully read and understood. All doubts should be consulted with product manufacturer.

Limited warranty

LAMITECH warrants that its products are reasonably free of defects and when properly used will comply with normal deviations, to related manufacturing specifications. This warranty will be extended only to the original buyers for a period of one (1) year from the purchase date. It excludes damage resulting from accidents, abuse or lack of care, improper use and/or any alteration.

Since LAMITECH laminates have a wide range of applications, without the possibility of control over the manufacturing of the end product, LAMITECH does not assume obligations or liabilities arising from the furnishing, sale, installation or repair, use or subsequent sale of any product, to any person or entity.

The contents of this brief correspond to common knowledge of high pressure decorative laminates. LAMITECH offers this information solely to provide suggestions for your application. Since it is impossible to anticipate all variations in actual end use conditions, no warranties or liabilities can be assumed by LAMITECH in connection to the use of this information.

LAMITECH believed the information and recommendations provided herein to be accurate at the time of preparation or obtained from sources believed to be generally reliable. Lamitech can modify it without prior notice.

