

TECHNICAL SPECIFICATIONS - ESPECIFICACIONES TÉCNICAS

STANDARD METHOD CLAUSE # NEMALD.3 -2005 AND EN-438 - 2016		PROPERTY - CARACTERÍSTICA	UNITS UNIDADES	HSG-1.2 mm HORIZONTAL GENERAL STANDARD			HGP- 1mm POST-FORMING GENERAL STANDARD			HGL- 1mm HORIZONTAL LIGH GENERAL STANDARD			VGP-0.8 mm VERTICAL GENERAL POST-FORMING			VGS-0.8 mm VERTICAL GENERAL STANDARD			0.6 mm VERTICAL LICHT GENERAL POST-FORMING			VGL- 0.6 mm CABINET LINER			CGS / 2,0 mm-5,0 mm COMPACT			CGS / 6,0 mm-25 mm COMPACT													
				Standard	Nema LD.3	EN 438	Standard	Nema LD.3	EN 438	Standard	Nema LD.3	EN 438	Standard	Nema LD.3	EN 438	Standard	Nema LD.3	EN 438	Standard	Nema LD.3	EN 438	Standard	Nema LD.3	EN 438	Standard	Nema LD.3	EN 438	Standard	Nema LD.3	EN 438											
		Standard - Estándar	---	Lamitech	Nema LD.3	EN 438	Lamitech	Nema LD.3	EN 438	Lamitech	Nema LD.3	EN 438	Lamitech	Nema LD.3	EN 438	Lamitech	Nema LD.3	EN 438	Lamitech	Nema LD.3	EN 438	Lamitech	Nema LD.3	EN 438	Lamitech	Nema LD.3	EN 438	Lamitech	Nema LD.3	EN 438	Lamitech	Nema LD.3	EN 438								
		Nomenclature - Nomenclatura	---	1,2 mm	HGS	HGS	1,0 mm	HGP	HGP	1,0 mm	HGL	HGS	0,8 mm	VGP	VGP	0,8 mm	VGS	VGS	0,6 mm	---	---	0,6 mm	VGL	---	2,0-5,0 mm	CGS	CGS	6,0-25 mm	CGS	CGS											
#3.1.5 Nema LD.3 #5 EN-438	Thickness - Espesor	mm (ln)	120 (0.048)			1.0 (0.039)			1.0 (0.039)			0.7 (0.028)			0.7 (0.028)			0.5 (0.020)			0.5 (0.020)			2.0 mm <= e < 3.0 mm			+/- 0.20 mm			12.0 mm <= e < 16.0 mm			+/- 0.60 mm								
		Thickness tolerance - Tolerancia en espesor	+/-0.12 (+/-0.005)			+/-0.12 (+/-0.005)			+/-0.12 (+/-0.005)			+/-0.10 (+/-0.004)			+/-0.10 (+/-0.004)			+/-0.10 (+/-0.004)			+/-0.10 (+/-0.004)			2.0 mm <= e < 3.0 mm			+/- 0.30 mm			16.0 mm <= e < 20.0 mm			+/- 0.70 mm								
																								3.0 mm <= e < 5.0 mm			+/- 0.40 mm			20.0 mm <= e < 25.0 mm			+/- 0.80 mm								
																											5.0 mm <= e < 8.0 mm			+/- 0.50 mm											
# 3.1 Nema LD.3 # 4.0 EN-438	Appearance - Apariencia	Defects - Defectos	According to method # 4 EN438-2 and method # 3.1 Nema LD.3																																						
# 3.13 Nema LD.3 - # 10 EN-438	Wear resistance - Resistencia al desgaste	Initial point (Cycles-min.) Total Wear (Cycles-min.)	300 600	---	150 ---	300 600	---	150 ---	300 600	---	150 ---	300 600	---	50 ---	300 600	---	50 ---	300 600	---	50 ---	300 600	---	50 ---	300 600	---	150 ---	300 600	---	150 ---	300 600	---	150 ---									
		DIMENSIONAL STABILITY AT ROOM TEMPERATURE																																							
		Direction Machine - Dirección Longitudinal																																							
		Cross Machine - Dirección Transversal																																							
# 3.12 Nema LD.3	% Max	0,30	0,50	NA	0,60	1,00	NA	0,40	0,60	NA	0,60	1,00	NA	0,40	0,60	NA	0,60	0,80	NA	0,60	0,80	NA	0,20	0,30	NA	0,20	0,30	NA	0,20	0,30	NA										
		% Max	0,50	0,80	NA	0,80	1,30	NA	0,70	1,00	NA	0,80	1,30	NA	0,80	1,10	NA	0,80	1,30	NA	0,80	1,30	NA	0,40	0,70	NA	0,40	0,70	NA	0,40	0,70	NA									
# 3.11 Nema LD.3, # 17 EN-438	Direction Machine - Dirección Longitudinal	% Max	0,30	0,50	0,55	0,40	1,10	0,55	0,40	0,60	0,55	0,60	1,10	0,75	0,50	0,70	0,75	0,50	0,80	0,75	0,50	0,80	0,75	0,30	0,30	0,40	0,30	0,30	0,30	0,30	0,30										
		Cross Machine - Dirección Transversal	% Max	0,55	0,90	1,05	0,70	1,40	1,05	0,70	1,00	1,05	0,90	1,40	1,25	0,80	1,20	1,25	0,80	1,30	1,25	0,80	1,30	1,25	0,50	0,70	0,80	0,50	0,70	0,60	0,60										
# 3.5 Nema LD.3	Boiling water resistance (Tea Pot) Resistencia al agua hirviendo (Tea Pot)	Grade (not Worse Than)	NE	NE	NA	SL	SL	NA	NE	NE	NA	SL	SL	NA	NE	NE	NA	SL	SL	NA	NE	NE	NA	NE	NE	NA	NE	NE	NA	NE	NE										
# 3.6 Nema LD.3 - # 16 EN-438	Resistance to dry heat (Hot Pot - 180 °C) Resistencia al calor seco (Hot Pot - 180 °C)	Gloss Finish (Grade) Other Finishes (Grade)	SL	SL	3	SL	SL	3	SL	SL	3	SL	SL	3	SL	SL	3	SL	SL	NA	SL	SL	NA	SL	SL	3	SL	SL	3	SL	SL	3									
#20 EN-438	Resistance to impact by small diameter ball Resistencia al impacto con balón pequeño	Newton - min.	30	NA	20	30	NA	20	30	NA	20	20	NA	15	20	NA	15	20	NA	15	20	NA	15	NA	NA	NA	NA	NA	NA	NA	NA										
#3.8 Nema LD.3, # 21 EN-438	Resistance to impact by large diameter ball Resistencia al impacto con balón grande	mm - min.	1500	1250	800	1200	750	800	1200	900	800	850	500	600	850	500	600	750	400	600	750	400	600	2000	1900	1400	2000	1900	1800	1800	1800										
# 3.7 Nema LD.3, #25 EN-438	Scratch resistance Resistencia al rayado	Newton - min.	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3										
#3.4 Nema LD.3, # 26 EN-438	Resistance to staining - Resistencia al manchado																																								
		Cleanability - Nivel de limpiabilidad																																							
		Rating - max.	12	20	NA	12	20	NA	12	20	NA	12	20	NA	12	20	NA	12	20	NA	12	20	NA	12	20	NA	12	20	NA	12	20	NA									
		Groups 1 and 2 (Stain 1-10) - (Reactivos 1 - 10)	5	NE	5	5	NE	5	5	NE	5	5	NE	5	5	NE	5	5	NE	5	5	NE	5	5	NE	5	5	NE	5	5	NE	5									
		Groups 3 and 4 (Stain 11-15) - (Reactivos 11 - 15)	4	M	4	4	M	4	4	M	4	4	M	4	4	M	4	4	M	4	4	M	4	4	M	4	4	M	4	4	M	4									
# 3.3 Nema LD.3, # 27 EN-438	Light resistance (Change in xenon arc light) Resistencia a la luz (Cambio en la luz de xenón)	Scale of grays	5	SL	4-5	5	SL	4-5	5	SL	4-5	5	SL	4-5	5	SL	4-5	5	SL	NA	5	SL	NA	5	SL	4-5	5	SL	4-5	5	SL	4-5									
# 3.14 Nema LD.3, # 31 o 32 EN-438	Formability - Post-formabilidad	Radius (min.)	NA	NA	NA	12,5	16	15	NA	NA	NA	7,5	13	10	NA	NA	NA	6,0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA										
# 3.15 Nema LD.3, # 33 o 34 EN-438	Resistance to blistering - Resistencia al blister	Time to blister min. (t±1) Sec.	NA	NA	NA	15	15	15	NA	NA	NA	12	12	10	NA	NA	NA	10	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA										
# 14 EN-438	Resistance to steam - Resistencia al vapor	Gloss Finish (Grade) Other Finishes (Grade)	3	NA	3	3	NA	3	3	NA	3	3	NA	3	3	NA	3	3	NA	3	3	NA	3	3	NA	3	3	NA	3	3	NA	3									
#3.1.6 Nema LD.3, # 9 EN-438	Flatness - Planitud	mm/m max	60,0	120,0	60,0	60,0	120,0	60,0	60,0	120,0	60,0	60,0	120,0	60,0	60,0	120,0	60,0	60,0	120,0	60,0	60,0	120,0	60,0	60,0	120,0	60,0	60,0	120,0	60,0	60,0											
																								2.0 <= e < 6.0 mm			8.0 mm/m max			6.0 <= e < 10.0 mm			5.0 mm/m max								

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 / 2016 Europe. - Efecto : Ningún Efecto = 5 = NE, Efecto Ligero = 4 = SL, Efecto Moderado = 3 = M Efecto Severo = 1-2 = S, NA = No Aplica. Nema LD.3 / 2005 América, EN-438 / 2016 Europa.