

Compact High Pressure Laminates (PRO-PAN HPL) per EN 438-4 : 2D16, are available in the standard CGS and in flame retardant, CGF types on demand. When these laminates are self-supporting they are ready for installation.

SL. NO	PROPERTIES	TEST METHOD	ATTRIBUTES OF PERFORMANCE	UNIT OF MEASUREMENT	RESULTS (AS PER EN 438-4)
			EN-438 Laminate Classification		CGS/CGF
1	SURFACE QUALITY				
1.1	Surface quality	EN438-Z.4	Spots, dirt and similar surface defects	mm ² /m ²	≤ 1
			Fibres, hairs and scratches	/m	¥ 1D
2	DIMENSIONAL PROPERTIES				
2.1	Thickness	EN 438-2.5	Thickness tolerance	mm	2 < T < 3 : -£ 0,2
				mm	3 < T < 5 : -£ 0,3
				mm	5 < T < 8 : a 0,4
				mm	8 < T < 12 : -0,5
				mm	12 < T * 16 : a 0,6
				mm	16 < T * 20 : a 0,7
				mm	20 n T < 25 a 0 8
				mm	25 5 T : 2 1,3
2.2	Size	EN 438-2.6	Length and width	mm	* 10 / - 0
2.3	Straightness of edgas	EN 438-2.7	Straightness of edges		s 1,5
2.4	Squareness	EN 438-2.8	Squareness		s 1,5
Z5	Flatness	EN 438-2.9	Flatness (measured on full-size sheet).		2 0 < T < 6 0 - 8 0
					6,0 < T < 1 0,D : 5,0
					10,0 s T : 3,0
3	PHYSICAL PROPERTIES				
3.1	Resistance to surface wear	EN 438-2.10	Wear Resistance - Initial Point	Revolutions	Unicolours -? 150 Printed Décor - 2 125
3.2	Rasistanca to immersion in boiling water	EN 438-2.12	Macs increase - 2 s T * 5 mm	%	CGS - s 5, CGF - s 7
			Macs increase - T > 5 mm	%	CGS - s 2, CGF - s 3
			Thickness increase - 2 < T < 5 mm	%	CGS - < 6 CGF - < 9
			Thickness increase - T > 5 mm	%	CGS - 2 , CGF - < 6
			Appearance - Glocs Finish	Rating	> 3
			Appearance - Other Finishes	Rating	≥ 4
			Appearance - Edge Rating	Rating	≥ 3
3.3	Resistance to water vapour	EN 438-2. J 4	Appearance - Gloss Finish	Rating	≥ 3
			Appearance - Other Finishes	Rating	¥ 4
3.4	Resistance to dry heat (180°C)	EN 438-2.16	Appearance - Gloss Finish	Rating	≥ 3
			Appearance - Other Finishes	Rating	¥ 4
3.5	Dimensional stability at elevated temperaturec	EN 438-2.17	Cumulative dimensional change - 2 < T<5mm	Longitudinal %	s 0,40
				Tranwersai °A	€ 0 80
			Cumulative dimensional change - T ? 5 mm	Longitudinal %	< 0,3D
				Tranwersal °A	€ 0,6D
3.6	Resistance to impact with larg. diameter ball	EN 438-2.21	Indent. dia. 10mm 2 sT<6 mm - Drop Heig	mm	> 14D0
			Indent. dia. 10mm 16mm- Drop Heig	mm	z 1BD0
3.7	Resistance to craving	EN 438-2.24	Appearance	Rating	¥ 4
3.8	Resistance to scratching	EN 438-2.25	Appearance - Sm0oth Finishes	Rating	¥ 2
			Appearance - Textured Finishes	Rating	yg
3.9	Resistance to staining	EN 438-2.26	Appearance - Group 1 & 2	Rating	≥ 5
			Appearance - Group 3	Rating	z 4
3.10	Light Vastness (Xenon arc)	EN 438-2.27	Contrast	Grey scale rating	4 to 5
3.11	Flexural modulus	EN ISO 178	Strecs	Mpa	> 90D0
3.12	Flexural ctrengh	EN ISO 178	Strecs	Mpa	? BD
3.13	Density	EN ISO 11B3	Density		z 1,35
4	FIRE PERFORHANCES				
4.1	Fira Reaction Classification, CGS	EN 135 01	Tect as per EN 13823 (SBI test) and EN ISO	11925-2 (Small-b rner test)	
			Classification - T 2 6 mm	Rating	D - s2, d0
4.2	Fire Reaction Classification, CGF		Classification - 3 £ T < 6 mm	Rating	B - s2, dD
			Classification - 6 € T « 13 mm	Rating	B - s1, dO
5	OTHER PROPERTIES				
	Release of Formaldehyde	EN 438-7.4.11.1	Classification	Rating	E1