

FINLAM

HPL Laminate type EN 438-3/HGP

Technical data – Reference thickness of 0.8 mm

Characteristic	Test method	Attribute	units	Specification EN 438-3:2016 HGP
Density	EN ISO 1183-1	Volumetric mass	g/cm ³	≥ 1.35
Appearance: surface defects	EN 438-2.4	Dots	mm/m ²	≤ 1
		Linear	mm/m ²	≤ 10
Resistance to surface wear	EN 438-2.10	Initial point	Revs	≥ 150
Resistance to immersion in boiling water	EN 438-2.14	Aspect: gloss	Grade	≥ 3
		Aspect: others	Grade	≥ 4
Resistance to dry heat (180°C/20')	EN 438-2.16	Aspect: gloss	Grade	≥ 3
		Aspect: others	Grade	≥ 4
Resistance to wet heat (100°)	EN 12721:1997	Aspect: gloss	Grade	≥ 3
		Aspect: others	Grade	≥ 4
Resistance to impact by small-diameter ball	EN 438-2.20	Spring force	N	≥ 20
Resistance to impact by large diameter ball	EN 438-2.21	Impact resistance	mm	≥ 800
		Indentation diameter	mm	≤ 10
Resistance to cracking	EN 438-2.24	Aspect	Grade	≥ 4
Resistance to scratching	EN 438-2.25	Load	Grade	≥ 3
Resistance to staining	EN 438-2.26	Aspect - groups 1 y 2	Grade	≥ 5
		Aspect - group 3	Grade	≥ 4
Resistance to color change in xenon arc light	EN 438-2.27	Resistance	Grey scale	≥ 4
Resistance to cigarette burns	EN 438-2.30	Aspect	Grade	≥ 3
Formaldehyde emission	EN ISO 12460-3	Emission	mg/h.m ²	≤ 1.3
Reaction to fire	UNE 23727	Classification	Grade	M1
Food contact. Total migration	EN 1186-3	3% acetic acid 24h at 40°C	mg/dm ²	< 10
	EN 1186-3	50% ethanol 24h at 40°C		< 10
	EN 1186-14	95% ethanol 24h at 40°C		< 10
	EN 1186-14	isooctane 24h at 40°C		< 10
Food contact. Formaldehyde migration.	EN 13130-23	3% acetic acid 24h at 40°C	mg/kg	< 15
Microbiological behaviour	EN ISO 846	Microbiological growth: soft surfaces	Grade	0 – no microbiological growth
		Microbiological growth: rough surfaces	Grade	1 – light and slow microbiological growth

* The data shown above are informative and based in our experience.

Rev. 18.02.2019

STORAGE

FINLAM should be stored horizontally in cool, dry, place in properly sealed packaging and without depositing up heavy objects. Ideal storage conditions are between 18 - 22 ° C and 50-60% of ambient relative moisture. Storage under excessively dry conditions (30% RH) can adversely affect the results of the postforming. FINLAM must be used in the course of a year from the date of delivery. When postformed, the laminate should not have more than 6 months. Anyway, it is recommended to do a test before starting an industrial production if the laminate has been stored for a long period of time.