LAMICOLOR®

LAMCO HPL MOD

Material consisting of layers of kraft paper impregnated with thermosetting resins and an innovative surface layer containing decorative paper impregnated with aminoplastic resins and a particular overlay, all bonded together by means of high pressure (7 Mpa) and high temperature (128-140° C). An innovative technology gives to the product a matt and anti-fingerprint surface.

PROPERTY	TEST METHOD (EN 438: 2016)	PROPERTY OR ATTRIBUTE	UNIT	VALUE
Thickness	EN 438-2.5	thickness (t)	mm	0,5 t 1,0 ±0,10 1,0 < t < 2,0 ±0,15
Flatness	EN 438-2.9	maximum deviation	mm/mtl	60
Resistance to surface wear	EN 438-2.10	wear resistance	revs	IP ≥ 150
Resistance to immersion in boiling water	EN 438-2.12	appearance	rating	4
Resistance to dry heat (160°C)	EN 438-2.16	appearance	rating	≥ 4
Resistance to wet heat (100°C)	EN 438-2.18	appearance	rating	≥ 4
Dimensional stability at elevated temperature	EN 438-2.17	cumulative dimensional change	% long. % transv.	≤ 0,55 ≤ 1,05
Resistance to impact by small diameter ball	EN 438-2.20	spring force	N	≥ 20
Resistance to cracking	EN 438-2.23	appearance	rating	≥ 4
Resistance to scratching[1]	EN 438-2.25	force	rating	2
Resistance to staining	EN 438-2.26	app. groups 1-2 appear. groups 3	rating	5 ≥4
Lightfastness	EN 438-2.27	contrast	grey scale rating	≥ 4
Resistance to water vapour	EN 438-2.14	appearance	rating	≥ 4
Formability[2]	EN 438-2.32	radius	mm	t x 10 long. t x 20 transv.
Resistance to blistering[2]	EN 438-2.34	time	sec.	t < 0,8 mm: 10 t 0,8 mm: 15
Electrical resistance	EN 61340-4-1	R_v (23°C /50% RH)	Ohm	$10^9 - 10^{11}$
Density	ISO 1183	density	gr/cm^3	≥ 1,35

(1) Resistance to scratching is depending from colour.
(2) Only Postforming grade.
Note: The colour of individual lots may vary as a result of the technology and type of pigment used. Pay attention to the direction of the texture. Furthermore, the decorative surface of the LAMCO HPL MOD, could have a slight different tonality from decorative surface with the same colour code number of the other Lamicolor products.
LAMCO HPL MOD is suggested for vertical uses only.