

LAMCO DIGITAL

Material consisting of layers of kraft paper impregnated with thermosetting resins and a surface decorative layer including a high definition digital printing impregnated with aminoplastic resins, all bonded together by an high pressure process including the simultaneous application of heat ($T \geq 120^{\circ}\text{C}$) and high pressure ($P \geq 7 \text{ MPa}$).

PROPERTY	TEST METHOD (EN 438-2:2016)	PROPERTY OR ATTRIBUTE	UNIT	VALUE
Thickness	EN 438-2.5	thickness (t)	mm	$1,0 < t < 2,0 \pm 0,15$
Flatness	EN 438-2.9	maximum deviation	mm/m	≤ 60
Length and width	EN 438-2.6	Length and width	mm	+10 / -0
Straightness of edges	EN 438-2.7	Straightness of edges	mm/m	$\leq 1,5$
Squareness	EN 438-2.8	Squareness	mm/m	$\leq 1,5$
Dimensional stability at elevated temperature	EN 438-2.17	Cumulative dimensional change	% long. % transv.	$\leq 0,55$ $\leq 1,05$
Resistance to impact by small diameter ball	EN 438-2.20	Spring force	N	≥ 20
Resistance to scratching	EN 438-2.25	Force	rating	≥ 3
Resistance to staining	EN 438-2.26	appearance groups 1-2 appearance group 3	rating	5 ≥ 4
Lightfastness	EN 438/2.27	Contrast	grey scale rating	≥ 4
Volume electrical resistance	EN 61340-4-1	R_v (23°C / 50% UR)	Ohm	$1 \times 10^9 - 1 \times 10^{11}$
Density	ISO 1183	Density	gr/cm ³	$\geq 1,35$

Note about colours

Some colours used for high definition digital printing may exhibit a metamerism behaviour. This is due to the technology used and it doesn't has to be considered as a defect but, rather, as a characteristic of the product. Slight differences of tonality may occur among digital print with the same pattern: take it in account for repetitive projects.

Note about machining:

- cold gluing is advised
- we suggest don't use Lamco Digital in rooms with high umidity level.
- If you need any other suggestion about the machining, please contact our technical service.