

TECHNICAL DATA SHEET LAMCO HPL COMPACT MULTICOLOR

Self-supporting material consisting of layers of paper impregnated with thermosetting resins, pressed at 9 MPa at 150 °C. When cut in section it reveals a succession of coloured layers. The edging and engraving possibilities present new and exciting attractions.

PROPERTY	TEST METHOD (EN 438: 2005)	PROPERTY or ATTRIBUTE	UNIT	VALUES
Thickness	EN 438-2.5	<i>thickness</i>	mm	10,0 ≤ t < 12,0 ± 0,50 12,0 ≤ t < 14,0 + 0,60
Flatness	EN 438-2.9	<i>maximum deviation</i>	mm/mtl	3,0
Resistance to surface wear	EN 438-2.10	<i>wear resistance</i>	revs	A ≥ 350
Resistance to immersion in boiling water	EN 438-2.12	<i>mass increase</i>	%	≤ 2
		<i>thickness increase</i>	%	≤ 2
		<i>appearance</i>	rating	≥ 4
Resistance to scratching	EN 438-2.25	<i>smooth finishes</i>	rating	≥ 2
		<i>texture finish</i>		≥ 3
Resistance to staining	EN 438-2.26	<i>appearance groups 1-2</i>	rating	5
		<i>appearance group 3</i>		≥ 4
Lightfastness	EN 438-2.27	<i>contrast</i>	grey scale rating	≥ 4
Resistance to cigarette burns	EN 438-2.30	<i>appearance</i>	rating	≥ 3
Resistance to water vapour	EN 438-2.14	<i>appearance</i>	rating	≥ 4
Tensile strength	EN ISO 527-2	<i>strength</i>	MPa	L ≥ 100 T ≥ 70
Flexural strength	EN ISO 178	<i>strength</i>	MPa	L ≥ 100 T ≥ 90
Flexural modulus (E)	EN ISO 178	<i>strength</i>	MPa	L ≥ 10.000 T ≥ 9.000
Density	ISO 1183	<i>density</i>	gr/cm ³	≥ 1,40