

DATASHEET

ENGRAVING LAMINATE

Engraving laminate is a material consisting of layers of kraft paper impregnated with phenolic resins and outer layers on both sides, of decorative paper impregnated with aminoplastic resins; all bonded together by means of high pressure and heat. By engraving the surface, a colour middle layer is revealed. Suitable for plaques and signs for internal applications.

Applications

- Signage
- Door Signs
- Desk Plaques
- Door Plaques

Availability

- Colour – Range of Colours Available
- Type – Sheets
- Regularly produced in 1.5mm & 3mm

Typical Properties

General Properties	Method	Attribute	Unit	Test Result
Thickness Tolerance	EN438-2.5	Thickness	mm	1.5 +/- 0.15 3.0 +/- 0.20
Resistance to Surface Water	EN438-2.10	Wear Resistance	Revolutions	A≥400
Resistance to Immersion in Boiling Water	EN438-2.12	Mass Increase	%	≥5
Stability at Elevated Temperature	EN438-2.17	Cumulative Dimensional Change	% Long % Transv	≥ 0.30 ≥ 0.60
Resistance to Staining	EN438-2.26	Appearance	Rating	≥4
Light Fastness	EN438-2.27	Contrast	Grey Scale	≥4
Resistance to Cigarette Burns	EN438-2.30	Appearance	Rating	≥3
Resistance to Water Vapour	EN438-2.14	Appearance	Rating	≥4
Tensile Strength	EN ISO 527.2	Strength	MPa	L ≥ 100 T ≥ 70
Flexural Strength	EN ISO 178	Strength	MPa	L ≥ 100 T ≥ 90
Flexural Modulus	EN ISO 178	Strength	MPa	L ≥ 10.00 T ≥ 9.00
Density	ISO 1183	Density	Gr/cm3	≥ 1.35