

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 (9MPa) and heat (150°C). By engraving the surface, a colour middle layer is revealed. Suitable for plaques and signs for internal applications.

Property	Test Method (EN 438:2005)	Attribute	Unit	Value
Thickness tolerance	EN438-2.5	Thickness	mm	1.5 ±0.15 3.0 ±0.20
Resistance to surface wear	EN438-2.10	Wear resistance	Revolutions	A≥400
Resistance to immersion in boiling water	EN438-2.12	Mass increase	%	≤5
		Thickness increase	%	≤5
		Appearance	Rating	≥ 4
Stability at elevated temperature	EN438-2.17	Cumulative dimensional change	% Long % Transv.	≤0.30 ≤0.60
Resistance to staining	EN438-2.26	Appearance groups 1-2 Appearance group 3	Rating	5 ≥ 4
Light fastness	EN438-2.27	Contrast	Grey scale rating	≥ 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 ≥10.000 T ≥ 9.000
Density	ISO 1183	Density	gr/cm ³	≥ 1.35