

SPECIFICATION FOR LAMINATES HGP

Standard EN 438 – 3; 2005

Property		Unit	Requirement
Thickness	Thickness ≤ 0.8	mm	$\pm 0,10$
Flatness		mm/m	Maximum deviation: 60
Lenght and Width		mm	Nominal dimension: +10 -0
Straightness of edges		mm/m	Maximum deviation: 1.5
Squareness		mm/m	Maximum deviation: 1.5
Resistance to surface wear		Revolutions	Initial point ≥ 150 Wear value ≥ 350
Dimensional stability		%	Longitudinal: ≤ 0.55 Cross-longitudinal: ≤ 1.05
Resistance to impact	small diameter ball	N	≥ 20
Resistance to staining	Groups 1+2 Group 3	Rating	$5 \geq 4$
Resistance to cigarette burns		Rating	≥ 3
Resistance to water vapour		Rating	Gloss finish ≥ 3 Other finishes ≥ 4
Formability		mm L= axis of bending parallel to the fibre direction (usually parallel to the direction of sanding) T= axis of bending at right angles to the fibre direction	$\leq 10 \times$ laminate nominal thickness $\leq 20 \times$ laminate nominal thickness
Resistance to blistering	Nominal thinckness < 0.8 Nominal thinckness = 0.8	Seconds	≥ 10 ≥ 15
Resistance to immersion in boiling water		Rating	Gloss finish ≥ 3 Other finishes ≥ 4
Resistance to scratching		Rating	≥ 3
Resistance to dry heat (180°C)		Rating	Gloss finish ≥ 3 Other finishes ≥ 4
Resistance to cracking under stress		Rating	≥ 4



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