



ECONOMY • EXCELLENCE • ETHICS

Test Values of Metallic HPL as per EN 438-3:2016 +A1

Product: Metallic
Size: 1300 x 3050 x 0.80 mm
Finish: Suede

Property	Test Method as EN:438 - 2:2019	Property or Attribute	Unit of Measurement (max or min)	Standard values as per EN:438 -3:2019 (E)	Merino Values
Thickness Tolerance	5	Dimension	mm	±0.10	±0.03
Length and Width Tolerance	6	Dimension	mm	+ 10mm	+04mm
				-0mm	-0mm
Flatness	9	Dimension	mm /m (max)	60	25
Density	EN ISO 1183		g/cm ³	≥ 1.35	1.40
Resistance to Surface wear	10	Wear Resistance	Revolution(min) (IP)	50	50
Resistance to Immersion in boiling water	12	Appearance	Grade (min)	Rating 3	Rating-5
			Gloss	≥ Rating 3	
			Other finishes	≥ Rating 4	
Resistance to Water vapour	14	Appearance	Grade (min)	Rating 3	Rating-5
			Gloss	≥ Rating 3	
			Other finishes	≥ Rating 4	
Resistance to Dry Heat (180°)	16	Appearance	Grade (min)	Rating 3	Rating-5
			Gloss	≥ Rating 3	
			Other finishes	≥ Rating 4	
Dimensional Stability at Elevated temp. (Max %)	17	Cumulative dimensional change	% Machine Direction % Cross Direction	≤ 0.75% ≤ 1.25%	0.51 0.79
Resistance to Impact (small dia ball)	20	Spring Force	N(min)	≥ 15 N	20 N
Resistance to Impact (Large dia ball)	21	Drop Height max indentation	mm/mm	>600 mm	>800 mm
				10 mm	9
Resistance to cracking	23	Appearance	Grade (min)	≥ Rating 4	Rating 5
Resistance to Scratching	25	Force N (min)	Grade (min)	≥ Rating 1	Rating 2
Resistance to Stains	26	Appearance	Group 1 & 2	≥ Rating 5	Rating 5
			Group 3	≥ Rating 4	Rating 4
Light Fastness (Contrast)	27	Grey Scale	Grade	4 to 5	5

Note: All our products comply with applicable standards, but results may differ based on the application and handling of the product. Please Refer <http://www.merinolaminates.com/warranties.aspx> for warranty clauses.