



ECONOMY ♦ EXCELLENCE ♦ ETHICS

## Test Values of Magnetic Marker Board as per EN 438-3:2016 +A1

Product: Magnetic Marker Board

Size: 1300 x 3050 x 1.00 mm

Finish: Hi-Gloss

Property	Test Method as EN:438 - 2:2016	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	20 mm/m
Density	EN ISO 1183		g/cm <sup>3</sup>	≥ 1.35	1.42
Resistance to Surface wear	10	Wear Resistance	Revolution(min) (IP)	150	400
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	≤ 0.55%	0.34
			% Cross Direction	≤ 1.05%	0.53
Resistance to Impact (small dia ball)	20	Spring Force	N(min)	≥ 20 N	35 N
Resistance to Impact (Large dia ball)	21	Drop Height max indentation	mm/mm	>800 mm	>1400 mm
				10 mm	8
Resistance to cracking	23	Appearance	Grade (min)	≥ Rating-4	Rating-5
Resistance to Scratching	25	Force N (min)	Grade (min)	≥ Rating -2	Rating-3
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.