

Test Values of Merino Compact Laminate as per (EN438-3)
Thickness :12 mm

Properties		Test Method (EN 438-2) Clause No. Unless otherwise stated	Standard values of CGS Grade	Test Result of MERINO CGS
Length & Width Tolerance		6.4.6	+10 mm - 0 mm	+8mm -0mm
Thickness Tolerance (As per EN-438, Table1		$12.0 \leq t \leq 16.0$	± 0.60	± 0.50
Compact Density (g/cm³)		EN ISO-1183	≥ 1.35	1.45
Resistance to Surface wear Revolutions (min)		10	≥ 350	>400
Resistance to immersion in Boiling water (Max. %)	Increase in Thickness	12	2	0.95
	Increase in Mass		2	0.85
	Appearance		Rating-4	Rating-5
Resistance to Dry Heat at 180°C Appearance		16	Rating-4	Rating-5
Dimensional Stability at elevated temp. (Max. %)	Machine Direction	17	0.30	0.15
	Cross Direction		0.60	0.35
Resistance to Impact by Large –Diameter Ball		21	1800	>2000
Resistance to Staining (Grade not Worse than)	Group 1 & 2	26	Rating-5	Rating-5
	Group 3		Rating-4	Rating 4 to 5
Resistance to Cigarette Burns Appearance		30	Rating-3	Rating-4
Resistance to Scratching		25	Rating-3	Rating-3
Light Fastness (Xenon arc)		27	4 to5 (Grey Scale)	4 to5 (Grey Scale)
Resistance to Water Vapour Appearance		14	Rating-4	Rating-5
Resistance to Crazing Appearance		24	Rating-4	Rating-5
Flexural Modulus Stress min. (Mpa)		EN ISO-178	9000	>11000
Flexural Strength min. (Mpa)		EN ISO-178	80	>115
Tensile Strength min. (Mpa)		EN-ISO 527	60	>80

Note: All our products comply to 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.