



Technical Data
Physical Properties of Sunlite & Litespal Solid Laminate 13mm
BS EN 438 : part 1 TEST

Property	Test Method Part 2	Property Or Attributes	Laminate CGS	Test Result Sunlite & Litesapl
Thickness	4	Variation (max)	± 0.3	+ 0.164mm - 0.00mm
Appearance and Flatness	5	Warp (max)	< 5mm	< 5
Resistance To Surface Wear	6	Initial Point (IP) Wear resistance = $\frac{IP + FP}{2}$	≥ 150 revs ≥ 350 revs	600 revs (index 4) 658 revs (index 4)
Resistance To Immersion In Boiling Water	7	Mass Increase (max) Thickness Increase (max) Appearance (not worse than)	2% 2% 4	1.23% 1.22% 5
Resistance To Dry Heat	8	Appearance (not worse than) Gloss Others	3 4	5
Dimensional Stability At Elevated Temperatures	9	Dimensional Change(max): Cross-Machine Machine	0.54% 0.24%	0.11%
Resistance To Impact By Large Diameter Ball	12#	Spring Force		>1800
Resistance To Scratching	14	Load	≥ 2.0N	>2.0N
Resistance To Staining	15	Covered Appearance (not worse than): Group 1 & 2 Group 3 & 4	5 4	5,5 5,5,5
		Uncovered Appearance (not worse than): Group 1 & 2 Group 3 & 4	5 4	5,5 5,5,5,4
Resistance To Colour Change In Xenon Arc Light	16	Wool Standard (minimum)	6	>6
Resistance To Cigarette Burns	18	Appearance (not worse than)	3	5,5,5
Resistance To Steam	24	Appearance (not worse than)	4	4
Resistance To Crazing	26	Appearance (not worse than)	5	5
Resistance To Moisture	27	Appearance (not worse than)	4	4
ISO 178 Flexural Strength	--		10,000	11,246 N/mm ²
ISO 178 Flexural Modulus	--		100	134.8 N/mm ²
ISO/R 527 Tensile Strength	--		70	95.9 N/mm ²