Lexington Manufacturing

TimberStrand® LSL 38#

General, Physical & Mechanical Property Specifications[1]

PHYSICAL PROPERTIES	TimberStrand® LSL	TEST METHOD
Target Density	38 pcf	ASTM D 1037
Product Moisture Content	6-8%	ASTM D 1037
Thickness Change[2]	3-4%	See [2]
Width Change	< 1%	See [2]
Length Change	Negligible	ASTM D 1037
Flame Spread Rating	140	ASTM E 84
Thermal Properties	1.25 R	ASTM E 518

MECHANICAL PROPERTIES	TimberStrand® LSL	TEST METHOD
Internal Bond	80 psi	ASTM D 1037
Average Ultimate Bending Stress (MOR) Edge	4,800 psi[4]	ASTM D 198
Average Ultimate Bending Stress (MOR) Flat	5,000 psi[4]	ASTM D 198
Average Bending Stiffness (MOE) Edge	1,000,000 psi[4]	ASTM D 198
Average Bending Stiffness (MOE) Flat	1,000,000 psi[4]	ASTM D 198

WDMA SPECIFICATIONS	TimberStrand® LSL	TEST METHOD
# 12 Screw Withdrawl - Face[3] - 550 lbs	775 lbs	WDMA TM-10
# 12 Screw Withdrawl - Edge[3] - 550 lbs	725 lbs	WDMA TM-10
Hinge Loading #12 Screw - 550 lbs	650 lbs	WDMA TM-8
Edge Impact Resistance - PASS	PASS	WDMA TM-15

[1]Values indicated above are NOT design values [2]Thickness change of linear expansion specimens from 50% to 90% relative humidity.
[3] Screw withdrawal values are based on testing a 12# x 2" wood screw with 11 threads per inch of screw length. (WDMA TM-10).
[4]Values shown are approximate and are not suitable for structural design purposes.

From our customers

"Lexington Manufacturing is our most consistent and reliable supply partner at Graham Wood Doors. Their performance has always been exceptional, and is extraordinary in our industry."

- John Klesath
Supply Chain Manager, Graham Wood Doors & The Maiman Company; Assa Abloy