



Technical Datasheet

Balsawood end grain panels

Description:

Panels made of kiln-dried end grain balsawood. Panels are cut to thickness and sanded to the tolerance. Panels can be supplied as stiff panels, or scrimmed and scored to fit contoured surfaces.

Balsawood has superior weight/strength properties to any core material, and outperforms most artificial products in high temperature applications.

Balsawood has high impact strength, and is superior in fatigue. It will typically find the original shape instead of being crushed under moderate overload.

When being used in vacuum infusion processes, are the individual blocks properly impregnated and sealed, and thereby protected against moisture etc.

Typical properties of end grain balsawood panels:

Product name:	Test standard	Unit	Indicated values
Rapallo end grain			
Compressive strength	ASTM C365	N/mm ²	12.5 - 13
Compressive modulus	ASTM C365	N/mm ²	3905 - 3930
Tensile strength	ASTM C297	N/mm ²	12.7 - 13.3
Tensile modulus	ASTM C297	N/mm ²	3495 - 3525
Shear strength	ASTM C273	N/mm ²	2.9 - 3.0
Shear modulus	ASTM C273	N/mm ²	152 - 160
Density	ASTM C271	Kg/cu.m	145-160
Temperature range		Celcius	- 60 -> + 150
Moisture level when packed		%	< 12
Panel size, nominal	609,6 x 1219,2 mm		

Quality:

Defects Allowed	Blue Stains, Mineral Stains, Brown Stains and decolorations, Sound knots, Pinholes (one per linear foot).
Defects Not Allowed	Cracks, Honey Comb, Knots, Pith > 9mm, shek or broken fiber.

All information is given in good faith and believed to be representative for the product. No warranty can be given due to the nature and variation of wood.

Bodotex Composites

Supply:

Item number	Thickness	Panels/box	total m2/box
300200	3/8" (9.52mm)	35	26,01
300204	1/2" (12.7mm)	27	20,07
300203	5/8" (15.87mm)	22	16,35
300201	3/4" 19.05mm)	17	12,63
300202	1" (25.4mm)	13	9,66
300205	1 1/4" (31.8mm)	10	7,43
300402	1 1/2" (38.1mm)	8	5,95