FIBERLINK INC.
www.fiberglassfiberlink.com

Technical Data — Balsa Wood Panel

Product Introduction

Balsa core is derived from a natural resource, the balsa tree, which is found in South America. Balsa Wood rigid and flexible panels are made from kiln dried strips that are glued and cut perpendicularly to the grain (end grain). After cut, the panels receive special treatment through a rigorous process of production and quality inspection.

Product Description

This material is well known for its high strength and stiffness to weight ratio, meeting most of the fire, smoke and toxicity international requirements, wide operating temperature range, excellent fatigue properties and it is environmental friendly material.

Major products available

- Flexible panels
- Flexible drilled panels
- Flexible grooved panels
- Flexible grooved and drilled panels
- Coated panels
- Rigid panels without scrim
- Rigid panels with scrim

Surface Treatments

- Coating
- Grooved
- Perforations

Packaging

- Available thickness: 3/16“ (4.75mm) to 4“ (101.6mm)
- Special / precision thicknesses available
- Panel size: 48“ (122cm) to 24“ (61cm)
- Carton size: 48“ L x 24“ W x 12“ H
- Pallet size: 49“ L x 41“ W x 90“ H
- No. of cartons per pallet: 14

Typical Balsa Panel Properties*

Properties	Unit	Testing Method	Light Weight Level	Standard Weight Level	Heavy Weight Level
Rated Density	kg/m^3	ASTM C271	92	150	218
Moisture Content	% RH	ISO 3130		Less than 12%	
Shear Strength	MPa	DIN 53294-1882	1.76	3.0	4.50
Shear Modulus	MPa	DIN 53294-1882	137	234	288
Compressive Strength	MPa	DIN 53294-1976	12.6	39.2	45.6
Compressive Modulus	MPa	DIN 53294-1976	1528	2950	6830

*Reference data only, not for technical specifications.

Disclaimer of Liability

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VALLEYWOOD BUSINESS PARK - 55 Valleywood Drive, Markham Ontario L3R 5L9 Canada Tel: 905-475-2300 Fax: 905-475-2303