

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

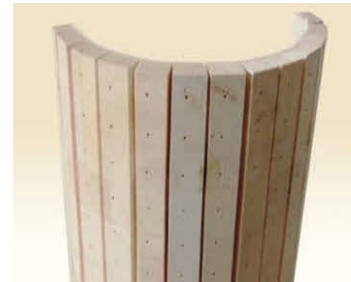
fatigue properties and it is environmental friendly material.

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

This data is offered solely as a guide in the selection of a reinforcement. The information contained in this publication is based on actual laboratory data and field test experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any liability arising out of its use or performance. The user, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial compounds when using this or any other reinforcement. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this data sheet shall not be construed as representations of warranties or as inducements to infringe any patent or violate any law, safety code or insurance regulation.