



T-C Series Balsa Core 150

The structural core material made of a natural, renewable resource – balsa wood, features low to medium density and unparalleled weight-specific mechanical properties.

TOPOLO balsa core sandwich panel is available with controlled density for precision parts and is economical for your lightweight solutions.

The regular size is 6m×2.4m.

The density is 150kg/m³.

Advantages

- High strength and stiffness
- Excellent shearing strength
- Wide operating temperature
- Fatigue resistance
- Styrene imperviousness
- Cost efficiency

Production

Original wood — slicing - patching — standard cutting — grinding — (heating) — dehumidifying — coating — (heating) — ironing — trimming & punching — checking — packaging



Technical Data

Test Items	Test Standards	Units	Typical Value
Apparent Density	DIN 52182-1976	Kg/m ³	150±30
Compression Strength (Parallel)	DIN 52185-1976	MPa	13.9
Compression Modulus (Parallel)	DIN 52185-1976	MPa	3670
Compression Strength (Vertical)	DIN 52185-1976	MPa	0.966
Compression Modulus (Vertical)	DIN 52185-1976	MPa	15.8
Shearing Strength	ISO1992-2012	MPa	2.24
Shearing Modulus	ISO1992-2012	MPa	141
Flat Panels	Width	mm	609.6
	Length	mm	1219.2
	Thickness	mm	5-50
Profile Panels	Width	mm	609.6
	Length	mm	1219.2
	Thickness	mm	5-50