



LUMBER WORLD

'A Destination for your Imagination'

WHITE OAK

White Oak (*Quercus alba*) heartwood is light to medium brown with an olive cast, while sapwood isn't always distinct. Straight grain with a coarse texture, it's very durable, often used in boatbuilding. It works well with tools, but may stain with iron contact. Abundant and moderately priced, white oak is slightly more expensive than red oak.

Sustainable and versatile, it's commonly used in cabinetry, furniture, trim, flooring, boatbuilding, barrels, and veneer, offering strength, beauty, and resistance. The wood, associated with historical significance, like the Charter Oak, is a valued choice in woodworking.





WHITE OAK

SPECIFICATIONS

Common Name(s)	White oak
Scientific Name	Quercus alba
Distribution	Eastern United States
Tree Size	65-85 ft (20-25 m) tall, 3-4 ft (1-1.2 m) trunk diameter
Average Dried Weight	47.0 lbs/ft ³ (755 kg/m ³)
Specific Gravity (Basic, 12% MC)	0.6, 0.75
Janka Hardness	1,350 lbf (5,990 N)
Modulus of Rupture	14,830 lbf/in ² (102.3 MPa)
Elastic Modulus	1,762,000 lbf/in ² (12.15 GPa)
Crushing Strength	7,370 lbf/in ² (50.8 MPa)
Shrinkage	Radial: 5.6%, Tangential: 10.5%,
Volumetric	16.3%, T/R Ratio: 1.9