WHITE OAK

Quercus alba

White Oak is an American hardwood, native to the eastern and central regions of North America and appreciated for its exceptional durability, distinctive grain, and timeless appearance. Heartwood ranges from pale tan and light brown to warm golden-brown. Its dense, strong structure provides excellent resistance to wear, while its natural resistance to moisture makes it well suited for both interior and select exterior applications. White Oak machines, sands, stains, and finishes beautifully, offering exceptional versatility for designers and craftsmen. Most commonly used for fine furniture, hardwood flooring, cabinetry, architectural millwork, doors, staircases, and custom woodworking.



Surfaced



Surfaced and clear coat



WOOD DESCRIPTION

Color:	*Light brown*
Sapwood:	*Not clearly demarcated*
Texture:	*Coarse*
Grain:	*Straight*

CHARACTERISTICS

- Moderate to work
- Very Durable
- Resistant to termites

COMMON USES

- Cabinetry
- Moulding
- Sliced veneer
- Paneling (interior)
- Interior trim
- Turned goods
- Furniture
- Flooring

AVAILABILITY

- FAS1F and Select & Better
- Plain Sawn, Quarter Sawn, Rift
- 4/4, 5/4, 6/4, 8/4 Thicknesses

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PHYSICAL / MECHANICAL PROPERTIES

Air Dry Density	*4.1 lbs/bf*
Specific Gravity:	*0.75*
Janka Hardness (lbs):	*1,350*
Volumetric Shrinkage:	*16.3%*
Total Tangential Shrinkage (TS):	*10.5%*
Total Radial Shrinkage (RS):	*5.6%*
TS/RS Ratio:	*1.9*

Fiber Saturation Point:	*26%*
Crushing Strength:	*7,370 lbf/in²*
Static Bending Strength:	*15,200 lbf/in²*
Modulus of Elasticity:	*1,762,000 lbf/in²*
Stability:	*Moderate*

** Based on 12% Moisture Content*

WORKING / FINISHING PROPERTIES

Blunting Effect:	*Normal*
Sawteeth Recommended:	*Ordinary / Alloy Steel*
Cutting Tools:	*Tungsten carbide*
Peeling:	*Not recommended*

Slicing:	*Good*
Nailing / Screwing:	*Pre-boring necessary*
Gluing:	*Good*
Paint/Stain:	*Good*



