

Technical Specifications

WHITE OAK *Quercus alba*

Category	12% MC	Unit
Bending Strength	15,200	psi
Crushing Strength (Perp.)	1,070	psi
Max. Crushing Strength	7,440	psi
Stiffness (Modulus of Elasticity)	1,780	1000 psi
Work to Maximum Load	15	in-lbs/in ³
Janka Side Hardness	1,360	lbs
Shearing Strength	2,000	psi
Specific Gravity	0.68	
Weight	47	lb/ft ³
Radial Shrinkage	6	%
Tangential Shrinkage	10	%
Volumetric Shrinkage	16	%
T/R Ratio	1.60	

References:

USDA Forest Products Laboratory Fact Sheet

Woods of the World Pro Database

NHLA Rules for the Measurement and Inspection of Hardwood and Cypress