

Technical Specifications

RED OAK *Quercus rubra*

Category	12% MC	Unit
Bending Strength	14,050	psi
Crushing Strength (Perp.)	1,140	psi
Max. Crushing Strength	6,900	psi
Stiffness (Modulus of Elasticity)	1,755	1000 psi
Work to Maximum Load	15	in-lbs/in ³
Janka Side Hardness	1,290	lbs
Shearing Strength	1,780	psi
Specific Gravity	0.63	
Weight	43	lb/ft ³
Radial Shrinkage	4	%
Tangential Shrinkage	8	%
Volumetric Shrinkage	13	%
T/R Ratio	2.01	

References:

USDA Forest Products Laboratory Fact Sheet

Woods of the World Pro Database

NHLA Rules for the Measurement and Inspection of Hardwood and Cypress