



## RED OAK



**Common Name(s):** Red Oak

**Scientific Name:** Quercus rubra

**Distribution:** Northeastern United States and Southeastern Canada

**Tree Size:** 80-115 ft (25-35 m) tall, 3-6 ft (1-2 m) trunk diameter

**Average Dried Weight:** 44 lbs/ft<sup>3</sup> (700 kg/m<sup>3</sup>)

**Specific Gravity (Basic, 12% MC):** .56, .70

**Janka Hardness:** 1,220 lb<sub>f</sub> (5,430 N)

**Modulus of Rupture:** 14,380 lb<sub>f</sub>/in<sup>2</sup> (99.2 MPa)

**Elastic Modulus:** 1,761,000 lb<sub>f</sub>/in<sup>2</sup> (12.14 GPa)

**Crushing Strength:** 6,780 lb<sub>f</sub>/in<sup>2</sup> (46.8 MPa)

**Shrinkage:** Radial: 4.0%, Tangential: 8.6%, Volumetric: 13.7%, T/R Ratio: 2.2

The color of Red Oak varies to the region in which the tree has grown. Banks prides itself with high quality Red Oak from the Northern Region. Red Oak is straight grained with a coarse texture and prominent rays. Its color is reddish tan heartwood and narrow, almost white sapwood.