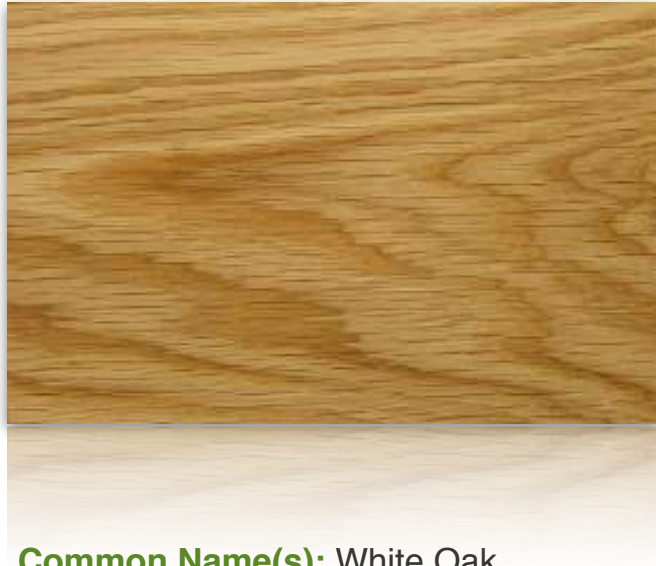




WHITE OAK



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 lbs/ft³ (755 kg/m³)

Specific Gravity (Basic, 12% MC): .60, .75

Janka Hardness: 1,350 lb_f (5,990 N)

Modulus of Rupture: 14,830 lb_f/in² (102.3 MPa)

Elastic Modulus: 1,762,000 lb_f/in² (12.15 GPa)

Crushing Strength: 7,370 lb_f/in² (50.8 MPa)

Shrinkage: Radial: 5.6%, Tangential: 10.5%, Volumetric: 16.3%, T/R Ratio: 1.9

White Oak, like Red Oak grows broadly across the eastern half of the United States. Although in smaller quantities than Red Oak, White Oak is a ring porous species with a characteristic strong grain and rays that are more pronounced and longer than those in Red Oaks. The heartwood is light to medium tan; the sapwood is creamy-white.