



SOFT MAPLE



Common Name(s): Red Maple

Scientific Name: *Acer rubrum*

Distribution: Eastern North America

Tree Size: 65-100 ft (20-30 m) tall, 2-3 ft (.6-1.0 m) trunk diameter

Average Dried Weight: 38lbs/ft³ (610 kg/m³)

Specific Gravity (Basic, 12% MC): .49, .61

Janka Hardness: 950 lb_f (4,230 N)

Modulus of Rupture: 13,400 lb_f/in² (92.4 MPa)

Elastic Modulus: 1,640,000 lb_f/in² (11.31 GPa)

Crushing Strength: 6,540 lb_f/in² (45.1 MPa)

Shrinkage: Radial: 4.0%, Tangential: 8.2%, Volumetric: 12.6%, T/R Ratio: 2.1

Unlike most other hardwoods, the *sapwood* of maple lumber is most commonly used rather than its heartwood. Sapwood color ranges from almost white, to a light golden or reddish brown, while the heartwood is a darker reddish brown. Red Maple can also be seen with curly or quilted grain patterns.