

BIRCH



Common Name(s): Yellow Birch

Scientific Name: *Betula alleghaniensis*

Distribution: Northeastern North America

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

Average Dried Weight: 43 lbs/ft³ (690 kg/m³)

Specific Gravity (Basic, 12% MC): .55, .69

Janka Hardness: 1,260 lb_f (5,610 N)

Modulus of Rupture: 16,600 lb_f/in² (114.5 MPa)

Elastic Modulus: 2,010,000 lb_f/in² (13.86 GPa)

Crushing Strength: 8,170 lb_f/in² (56.3 MPa)

Shrinkage: Radial: 7.3%, Tangential: 9.5%, Volumetric: 16.8%, T/R Ratio: 1.3

The heartwood tends to be a light reddish brown, with nearly white sapwood. Occasionally figured pieces are available with a wide, shallow curl similar to the curl found in Cherry. There is virtually no color distinction between annual growth rings, giving Birch a somewhat dull, uniform appearance.