

BLACK CHERRY

Common Name(s): Black cherry, American cherry

Scientific Name: *Prunus serotina*

Distribution: Eastern North America

Tree Size: 50-100 ft (15-30 m) tall,
3-5 ft (.3-.6 m) trunk diameter

Average Dried Weight: 35.0 lbs/ft³ (560 kg/m³)

Specific Gravity (Basic, 12% MC): 0.47, 0.56

Janka Hardness: 950 lb_f (4,230 N)

Modulus of Rupture: 12,300 lb_f/in² (84.8 MPa)

Elastic Modulus: 1,490,000 lb_f/in² (10.3 GPa)

Crushing Strength: 7,110 lb_f/in² (49 MPa)

Shrinkage: Radial: 3.7%, Tangential: 7.1%, Volumetric: 11.5%

Color/Appearance: Heartwood is a light pinkish brown when freshly cut, darkening to a medium reddish brown with time and upon exposure to light. Wide sapwood is a pale yellowish color. It is not uncommon for boards to contain at least some sapwood portions along the outer edges.

Grain/Texture: The grain is usually straight—with the exception of figured pieces with curly grain patterns. Has a fine, even texture with moderate natural luster.



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