

POPLAR



Common Name(s): Poplar, Tulip Poplar, Yellow Poplar

Scientific Name: Liriodendron tulipifera

Distribution: Eastern United States

Tree Size: 130-160 ft (40-50 m) tall, 6-8 ft (1.8-2.5 m) trunk diameter

Average Dried Weight: 29 lbs/ft³ (455 kg/m³)

Specific Gravity (Basic, 12% MC): .40, .46

Janka Hardness: 540 lb_f (2,400 N)

Modulus of Rupture: 10,100 lb_f/in² (69.7 MPa)

Elastic Modulus: 1,580,000 lb_f/in² (10.90 GPa)

Crushing Strength: 5,540 lb_f/in² (38.2 MPa)

Shrinkage: Radial: 4.6%, Tangential: 8.2%, Volumetric: 12.7%, T/R Ratio: 1.8

The heartwood is light cream to yellowish brown, with occasional streaks of gray or green. Sapwood is pale yellow to white, not always clearly demarcated from the heartwood. Can also be seen in mineral stained colors ranging from dark purple to red, green, or yellow, sometimes referred to as Rainbow Poplar. Colors tend to darken upon exposure to light.