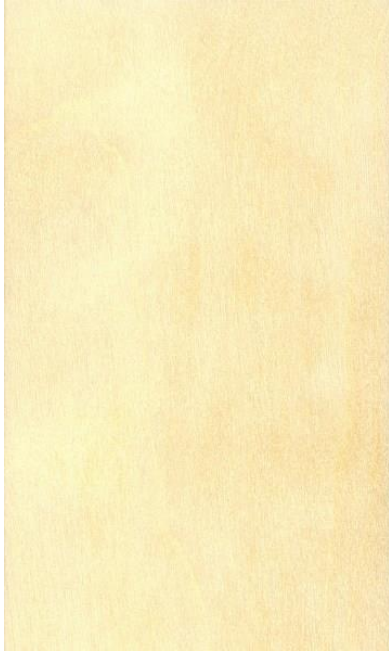


EUROPE WHITE POPLAR



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Common Name(s): European Aspen,
Common Aspen

Scientific Name: *Populus tremula*

Distribution: Temperate regions of Europe
and Asia

Tree Size: 50-65 ft (15-20 m) tall,
2-3 ft (.6-1.0 m) trunk diameter

Average Dried Weight: 28 lbs/ft³ (450 kg/m³)

Specific Gravity (Basic, 12% MC): .35, .45

Janka Hardness: 380 lb_f (1,650 N)

Modulus of Rupture: 8,990 lb_f/in² (62.0 MPa)

Elastic Modulus: 1,414,000 lb_f/in² (9.75 GPa)

Crushing Strength: 5,080 lb_f/in² (35.0 MPa)

Shrinkage: Radial: 4.8%, Tangential: 8.3%
Volumetric: 13.2%, T/R Ratio: 1.7

Color/Appearance: Heartwood tends to be a light brown. Wide sapwood is a pale yellow to nearly white, and isn't clearly demarcated, tending to gradually blend into the heartwood.

Grain/Texture: Grain is generally straight, with a uniform medium texture. Low natural luster.