

EUROPEAN BEECH

Common Name(s): European beech, common beech

Scientific Name: *Fagus sylvatica*

Distribution: Europe

Tree Size: 100-130 ft (30-40 m) tall,
3-5 ft (1-1.5 m) trunk diameter

Average Dried Weight: 44.3 lbs/ft³ (710 kg/m³)

Specific Gravity (Basic, 12% MC): 0.53, 0.71

Janka Hardness: 1,450 lb_f (6,460 N)

Modulus of Rupture: 15,970 lb_f/in² (110.1 MPa)

Elastic Modulus: 2,075,000 lb_f/in² (14.31 GPa)

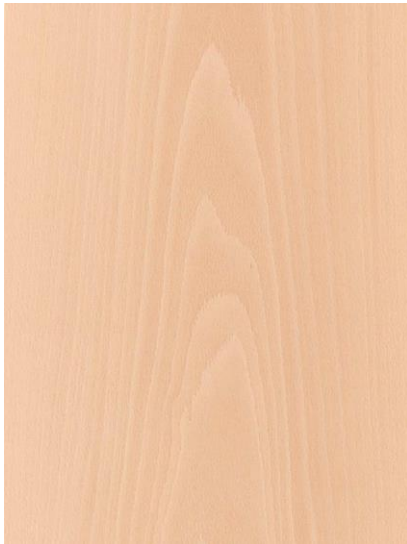
Crushing Strength: 8,270 lb_f/in² (57 MPa)

Shrinkage: Radial: 5.8%, Tangential: 11.7%,

Volumetric: 17.9%, T/R Ratio: 2.0

Color/Appearance: Pale straw color, sometimes with a pink or brown hue. Veneer tends to be slightly darker colored, as slicing the veneer usually requires the wood to be prepared with steam, which gives the wood a more golden tone. [Flatsawn](#) surfaces tend to be somewhat plain, while quartersawn surfaces exhibit a minute ray fleck pattern.

Grain/Texture: Grain is straight; fine to medium uniform texture and moderate natural luster.



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