

# EUROPEAN ASH

**Common Name(s):** European Ash, Common Ash

**Scientific Name:** Fraxinus excelsior

**Distribution:** Europe and southwestern Asia

**Tree Size:** 65-115 ft (20-35 m) tall, 3-6 ft (1-2 m) trunk diameter

**Average Dried Weight:** 42 lbs/ft<sup>3</sup> (680 kg/m<sup>3</sup>)

**Specific Gravity (Basic, 12% MC):** .49, .68

**Janka Hardness:** 1,480 lb<sub>f</sub> (6,580 N)

**Modulus of Rupture:** 15,020 lb<sub>f</sub>/in<sup>2</sup> (103.6 MPa)

**Elastic Modulus:** 1,785,000 lb<sub>f</sub>/in<sup>2</sup> (12.31 GPa)

**Crushing Strength:** 7,400 lb<sub>f</sub>/in<sup>2</sup> (51.0 MPa)

**Shrinkage:** Radial: 5.7%, Tangential: 9.6%, Volumetric: 15.3%, T/R Ratio: 1.7

**Color/Appearance:** The heartwood is a light to medium brown color, though darker streaks can also be seen, which is sometimes sold as [Olive Ash](#). Sapwood can be very wide, and tends to be a beige or light brown; not always clearly or sharply demarcated from heartwood.

**Grain/Texture:** Has a medium to coarse texture similar to oak. The grain is almost always straight and regular, though sometimes curly or figured boards can be found.



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