

# GARAPA

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Garapa (*Apuleia leiocarpa*)

**Common Name(s):** Garapa, grapia

**Scientific Name:** *Apuleia leiocarpa*

**Distribution:** South America

**Tree Size:** 65-100 ft (20-30 m) tall,

3-5 ft (1-1.5 m) trunk diameter

**Average Dried Weight:** 51 lbs/ft<sup>3</sup> (820 kg/m<sup>3</sup>)

**Specific Gravity (Basic, 12% MC):** 0.65, 0.82

**Janka Hardness:** 1,650 lb<sub>f</sub> (7,350 N)

**Modulus of Rupture:** 18,530 lb<sub>f</sub>/in<sup>2</sup> (127.8 MPa)

**Elastic Modulus:** 2,257,000 lb<sub>f</sub>/in<sup>2</sup> (15.57 GPa)

**Crushing Strength:** 9,030 lb<sub>f</sub>/in<sup>2</sup> (62.3 MPa)

**Shrinkage:** Radial: 4.2%, Tangential: 7.5%,

Volumetric: 11.4%, T/R Ratio: 1.8

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**Color/Appearance:** Garapa has a golden to yellowish brown color, which darkens with age. Sapwood is also yellowish in color and not clearly distinct from the heartwood. The wood is fairly chatoyant, and appears to shift from dark to light coloring in different lighting angles.

**Grain/Texture:** Grain is usually straight, but can also be interlocked. Uniform medium texture with a moderate amount of natural luster.

**Rot Resistance:** Rated as durable, though vulnerable to termites and other insect attacks.