

IROKO

Common Name(s): Iroko, African teak

Scientific Name: *Milicia excelsa* and *M. regia* (formerly placed in the *Chlorophora* genus)

Distribution: Tropical Africa

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

Average Dried Weight: 41.2 lbs/ft³ (660 kg/m³)

Specific Gravity (Basic, 12% MC): 0.56, 0.66

Janka Hardness: 1,190 lb_f (5,310 N)

Modulus of Rupture: 14,080 lb_f/in² (97.1 MPa)

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

Crushing Strength: 7,750 lb_f/in² (53.5 MPa)

Shrinkage: Radial: 3.3%, Tangential: 4.8%,

Volumetric: 8.8%, T/R Ratio: 1.5

Color/Appearance: Heartwood is usually a yellow to golden or medium brown, with color tending to darken over time. Pale yellow sapwood is clearly demarcated from the heartwood.

Grain/Texture: Iroko has a medium to coarse texture, with open pores and an interlocked grain.



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