

RADIATA PINE

Common Name(s): Radiata Pine, Monterey Pine, Insignis Pine

Scientific Name: *Pinus radiata*

Distribution: Native to central and southern coastal California; also widely planted throughout the southern hemisphere

Tree Size: 80-100 ft (24-30 m) tall, 2-3 ft (.6-1m) trunk diameter

Average Dried Weight: 32 lbs/ft³ (515 kg/m³)

Specific Gravity (Basic, 12% MC): .41, .51

Janka Hardness: 710 lb_f (3,150 N)

Modulus of Rupture: 11,480 lb_f/in² (79.2 MPa)

Elastic Modulus: 1,458,000 lb_f/in² (10.06 GPa)

Crushing Strength: 6,030 lb_f/in² (41.6 MPa)

Shrinkage:Radial: 3.4%, Tangential: 6.7%, Volumetric: 10.7%, T/R Ratio: 2.0

Color/Appearance: Heartwood is light brown, wide sapwood is a paler yellowish white, and is distinct from the heartwood. Radiata Pine lumber is plantation-grown, and generally has very wide growth rings and is knot-free.

Grain/Texture: Straight grained with a medium, even texture.



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