

Product Specs



Scientific Name: Pinus caribaea

Family: Pinaceae

Distribution: Belize, Honduras, Nicaragua, Guatemala, Bahama Islands, and Cuba; widely introduced as a plantation species throughout the world (Australia, South Africa, Surinam, and elsewhere).

The Tree: Grows to a height of 100 feet and with trunk diameter of 30 to 40 inches, occasionally larger.

General Description: Heartwood generally golden brown to red brown and distinct from the lighter sapwood. Texture somewhat coarse; grain is typically straight; luster medium; strong resinous odor; growth zones generally clearly defined but often lacking in juvenile wood. Composition wood often present, at least in plantation-grown wood.

Weight: Basic specific gravity (ovendry weight/green volume) varies considerably and may range from 0.34 to 0.68; air-dry density 26 to 51 pef.

Sizes:

1 x 4, 1 x 6, 1 x 8, 1 x 10, 1 x 12
5/4 x 4, 5/4 x 6, 5/4 x 8, 5/4 x 10, 5/4 x 12
6/4 x 6, 6/4 x 8, 6/4 x 10, 6/4 x 12
7/4 x 6, 7/4 x 8, 7/4 x 10, 7/4 x 12
8/4 x 6, 8/4 x 8, 8/4 x 10, 8/4 x 12
10/4 x 6, 10/4 x 8, 10/4 x 10, 10/4 x 12
12/4 x 6, 12/4 x 8, 12/4 x 10, 12/4 x 12
16/4 x 4, 16/4 x 6, 16/4 x 8, 16/4 x 10, 16/4 x 12
Timbers 6 x 6 up to 12 x 12

Moisture Content (%)	Bending Strength (Psi)	Modulus of Elasticity (1,000 Psi)	Maximum Crushing Strength (Psi)
Green (4)	11,190	1,880	4,900
12 %	16,690	2,240	8,540
Green (1)	9,000	1,610	4,600
12%	14,700	1,950	7,830
12% (2)	8,830	920	NA

Lengths: 8' and longer, up to 20' (even/odd increments) Longer lengths available.

Grades: 4 Faces Clear, 3 Faces Clear, Merchantable, Rustic, 85% Heart Grade, 50% Heart Grade

Mechanical Properties: (First two sets of data based on the 2 inch standard; third set on the 1 inch standard.)

Janka Hardness: 980 pounds for green material and 1,240 pounds at 12% moisture content. Forest Products Laboratory toughness average for green and dry material is 251 inches per pound (5/8 specimen).

Working Properties: The timber is easy to work with either hand or machine tools. Takes nails and screws well and glues satisfactorily.

Durability: Durability and resistance to insect attack varies with resin content, heartwood generally rated moderately durable. Sapwood prone to blue stain.

Uses: General light and heavy construction, carpentry, flooring, joinery, utility poles and railroad cross ties (treated), boat building, vats, utility plywood, pulp and paper products.



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