



Virginia Pine (*Pinus Virginiana*)

Botanical Name:	<i>Pinus virginiana</i>
Other Common Names:	Jersey pine, Pine, Scrub pine, Southern pine, Virginia pine
Region:	North America
Country:	United States

Numerical Values for: *Pinus virginiana*

<u>Category</u>	<u>Green</u>	<u>Dry</u>	<u>Unit</u>
Bending Strength	7300	13000	psi
Crushing Strength (Perp.)	910		psi
Max. Crushing Strength	3420	6710	psi
Impact Strength	34	32	inches
Stiffness	1220	1520	1000 psi
Hardness		740	lbs
Shearing Strength		1350	psi
Specific Gravity	0.45	0.47	
Radial Shrinkage (G->OD)		4	%
Tangential Shrink. (G->OD)		7	%
Volumetric Shrink. (G->OD)		12	%

Tree & Wood Descriptions for: *Pinus virginiana*

Product Sources	It is currently unknown whether some material from this species is available from sustainably managed, salvaged, recycled, or other environmentally responsible sources.
Tree Data	Scrub pine is described as a small tree, that matures to height of 30 to 60 feet (9 to 18 m) , with a trunk diameter of 12 to 18 inches (30 to 50 cm).
Sapwood Color	The sapwood is whitish in color.
Heartwood Color	The heartwood is reddish in color.
Grain	Grain is reported to be typically straight.
Strength Properties	Bending strength in the air-dry condition (about 12 percent moisture content) is fairly high. Strength in compression parallel to grain is also in the high range. It is fairly hard.

Working Properties for: *Pinus virginiana*

Blunting Effect	Blunting effect on cutting edges is reported to be moderate.
Cutting Resistance	Cutting resistance is rated as moderate, but resin may gum up sawteeth. Saws with long pitch have been recommended.
Planing	Resin may gum-up cutters, but the material is reported to be generally easy to machine in planing, turning, moulding, boring, and other operations. Machined surfaces tend to be fairly clean and smooth, and response to most machining tools is fair.
Gluing	Gluing properties are reported to be good.
Nailing	The material is reported to have good nail-holding qualities.
Screwing	Screw-holding characteristics are reported to be very good.
Sanding	The timber is reported to have good sanding properties.
Polishing	Most finishing treatments are reported to be fairly satisfactory.
Staining	The wood takes stains fairly well.
Varnishing	The wood is reported to respond fairly satisfactorily to most finishing treatments.
Painting	Painting characteristics are reported to be satisfactory.
Steam Bending	Steam bending qualities are rated as rather poor because of high resin content.
Response to Hand Tools	Response to hand tools is reported to be generally fair, but cutters may be gummed-up by resin.

Drying for: *Pinus virginiana*

T/R Ratio

1.75

This indicator is more meaningful if it is used together with other drying information and actual shrinkage data in the tangential and radial directions. (Refer to the Numerical Values window).

Resistance to Impregnation

The timber is reported to be fairly difficult to treat with preservatives.

*Credits for information:
Woodworkersource.com*