

Eastern White Pine

Technical Facts

Scientific Name: *Pinus strobus*

Common Names: EWP, White Pine, Northern White Pine, Weymouth Pine

Flame Spread Indices:**

ASTM E84 Flame Spread Index:	70
Flame Spread Class:	B
ASTM E84 Smoke Developed Index:	110

Specific Gravity @12% Moisture Content: 0.35

Approximate Weight per Board Foot ($\frac{3}{4}$ " thick):

@19% Moisture Content:	2.15 lbs/board foot
@12% Moisture Content:	2.04 lbs/board foot
@ 8% Moisture Content:	1.97 lbs/board foot
@ 0% oven dry:	1.80 lbs/board foot

Shrinkage from Green to Oven Dry (across growth rings):

Radial: 2.1% Tangential: 6.1% Volumetric: 8.2%

R Value: 0.8-1.0 (1" material @ 12% MC)

Thermal Conductivity @ 12% Moisture Content (Approximate)

Conductivity:	0.11 W/m-K; 0.75 Btu-in/(h-ft ² -°F)
Resistivity:	9.20 W/m-K; 1.30 (h-ft ² -°F/Btu-in)

** Source: HPVA T-14186 (2013)

[Link to Additional Technical Information on Eastern White Pine](#)

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