Eastern White Pine
Technical Facts

Scientific Name:  *Pinus strobus*


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 (¾” 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-ft²-°F)
- Resistivity: 9.20 W/m-K; 1.30 (h-ft²-°F/Btu-in)

** Source: HPVA T-14186 (2013)

Link to Additional Technical Information on Eastern White Pine

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