

## Technical Specifications

## Satin Walnut *Liquidambar styraciflua*

| Category                          | 12% MC | Unit                   |
|-----------------------------------|--------|------------------------|
| Bending Strength                  | 12,500 | psi                    |
| Crushing Strength (Perp.)         | 620    | psi                    |
| Max. Crushing Strength            | 6,320  | psi                    |
| Stiffness (Modulus of Elasticity) | 1,640  | 1000 psi               |
| Work to Maximum Load              | 12     | in-lbs/in <sup>3</sup> |
| Janka Side Hardness               | 850    | lbs                    |
| Shearing Strength                 | 1,600  | psi                    |
| Specific Gravity                  | 0.62   |                        |
| Weight                            | 35     | lb/ft <sup>3</sup>     |
| Radial Shrinkage                  | 6      | %                      |
| Tangential Shrinkage              | 10     | %                      |
| Volumetric Shrinkage              | 16     | %                      |
| T/R Ratio                         | 1.76   |                        |

### References:

USDA Forest Products Laboratory Fact Sheet

Woods of the World Pro Database

NHLA Rules for the Measurement and Inspection of Hardwood and Cypress