



USDA Forest Service
Forest Products Laboratory
One Gifford Pinchot Drive
Madison, WI 53705-2398
(608) 231-9200

Wood Technical Fact Sheet

Canangium odoratum

Cananga

Family: Annonaceae

Other Common Names: Fereng (Thailand), Ilang-Ilang (Philippines).

Distribution: Lower Burma, Malayan Peninsula, Philippines, Borneo, West Irian, and Australia. Widely cultivated for its flowers.

The Tree: May reach a height of 100 ft with diameters up to 30 in.; boles straight, cylindrical, and slightly buttressed.

The Wood:

General Characteristics: Wood pinkish buff, yellowish to light gray; no differentiation between sapwood and heartwood. Texture coarse; grain straight; without distinctive odor or taste.

Weight: Basic specific gravity (ovendry weight/green volume) 0.30; air-dry density 23 pcf.

Mechanical Properties: (2-in. standard)

Moisture content Bending strength Modulus of elasticity Maximum crushing strength

(%) (Psi) (1,000 psi) (Psi)

Green (34) 4,650 860 2,000

12% 6,630 1,060 3,380

Janka side hardness 310 lb for green material and 330 lb for dry. Forest Products Laboratory toughness 130 in.-lb for green material and 110 in.-lb at 12% moisture content (5/8-in. specimen).

Drying and Shrinkage: Easy to season with little or no degrade. No data available on kiln schedules. Shrinkage green to oven-dry: radial 3.3%; tangential 8.0%.

Working Properties: Reported to be easy to work and finishes smoothly.

Durability: Very perishable and vulnerable to termite attack.

Preservation: No information available but related species are reported to be easily treated.

Uses: Turnery, boxes and crates, clogs-wooden shoes, fishnet floats. The tree is primarily favored for its flowers which yield an aromatic oil.