



Bucklandia populnea

Family: *Hamamelidaceae*

Pipli

Other Common Names: Dingdah, Pipli, Singliang (India), Gerok (Malaya).

Distribution: Eastern Himalayas, Assam, Lower Burma, and Malayan Peninsula; abundant in mountain forests.

The Tree: A rather large tree up to 5 ft in diameter with a straight cylindrical stem 40 ft in length. Tree heights of 150 ft and diameters of 7 ft are reported.

The Wood:

General Characteristics: Wood light reddish brown to brown or grayish brown; heartwood and sapwood not sharply differentiated. Texture fine and even; grain broadly interlocked; dull to somewhat lustrous; without characteristic odor or taste.

Weight: Basic specific gravity (ovendry weight/green volume) 0.51; air-dry density 40 pcf.

Mechanical Properties: (2-in. standard)

Moisture content (%)	Bending strength (Psi)	Modulus of elasticity (1,000 psi)	Maximum crushing strength (Psi)
Green (50)	8,760	1,480	4,430
12%	15,720	2,025	8,770
12% (47)	10,260	1,385	5,690

Janka side hardness 625 lb for green material and 1,145 lb at 12% moisture content.

Drying and Shrinkage: Air-dries rather rapidly with only slight surface checking and slight end splitting. No data available on kiln schedules or shrinkage characteristics.

Working Properties: The timber is easy to saw and plane, turns easily on a lathe, finishes to an exceptionally smooth surface, and takes a good polish.

Durability: In Malaya, limited tests show severe decay after 3 years of ground contact. In India the wood is rated as fairly durable in exposed positions.

Preservation: No data available.

Uses: General carpentry, joinery, millwork, light construction, furniture components, used for tea chests in India.

Additional Reading: (11), (47), (56)

11. Desch, H. E. 1941-54. Manual of Malayan timbers. Malayan Forest Records No. 15.2 vol.
47. Pearson, R. S., and H. P. Brown. 1932. Commercial timbers of India. Gov. of India Central Publ. Br., Calcutta.
56. Sekhar, A. C., and N. S. Rawat. 1961. A note on mechanical properties of some NEFA timbers. Indian Forester 87(7):434-437.

From: Chudnoff, Martin. 1984. Tropical Timbers of the World. USDA Forest Service. Ag. Handbook No. 607.