technology transfer *fact sheet*

Center for Wood Anatomy Research
USDA Forest Service • Forest Products Laboratory • One Gifford Pinchot Drive • Madison, Wisconsin 53705–2398

Amoora spp.
Family: Meliaceae
Amoora
Thitni

Other Common Names: Ta-sua (Thailand), Kato, Malatumbaga (Philippines), Bekak (Malaysia), Thitni (Burma), Amoora, Amari (India).

Distribution: India, Burma, Malay Peninsula, Philippines, and Sabah. Widely distributed but seldom very abundant in the Sub-Himalayan regions.

The Tree: Sometimes reaching a height of 100 ft; with diameters commonly 2 to 3 ft. Boles straight and cylindrical, up to 50 ft in length.

The Wood:
General Characteristics: Heartwood light to dark red, red brown or walnut brown; sharply defined from the straw to pinkish sapwood. Grain straight to somewhat interlocked; texture mostly medium to coarse; luster variable; without distinctive odor or taste.

Weight: Basic specific gravity (ovendry weight/green volume) varying with species from 0.44 to 0.76; air-dry density 33 to 58 pcf.

Mechanical Properties: (2-in. standard)

Moisture content (%)	Bending strength (Psi)	Modulus of elasticity (1,000 psi)	Maximum crushing strength (Psi)
Green (34)	NA	NA	4,330
12%	NA	NA	7,550

Janka side hardness 755 lb for green material and 895 lb at 12% moisture content. Forest Products Laboratory toughness 230 in.-lb and 190 in.-lb for green and dry material (5/8-in. specimen).

Drying and Shrinkage: Reported to be easy to air season, even in wide boards. No data on kiln schedules or shrinkage values available.

Working Properties: Saws and works well with both hand and machine tools; turns easily; takes a smooth finish.

Durability: Generally reported to be moderately durable when exposed to the weather or in ground contact.

Preservation: No information available.

Uses: Furniture and cabinetwork, flooring, construction, joinery, turnery, veneer and plywood.

Additional Reading: (9), (11), (34), (47)

9. Burgess, P. F. 1966. Timbers of Sabah. Sabah For. Rec. No. 6.
11. Desch, H. E. 1941-54. Manual of Malayan timbers. Malayan Forest Records No. 15. 2 vol.
34. Lauricio, F. M., and S. B. Bellosillo. 1966. The mechanical and related properties of Philippine woods. The Lumberman 12(5):66 +A-H.
47. Pearson, R. S., and H. P. Brown. 1932. Commercial timbers of India. Gov. of India Central Publ. Br., Calcutta.

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