



# BLUE EXCHANGE

EXPORTERS OF AFRICAN TIMBER

KIAAT



PTEROCARPUS ANGOLENSIS





# KIAAT - PTEROCARPUS ANGOLENSIS

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## PTEROCARPUS ANGOLENSIS

### Common Names

Kiaat

Umbila

Muninga

Mukwa

Bloodwood



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Scientific Name: Pterocarpus Angolensis

Distribution: South-Central Africa

Tree Size: 12-18 Meters Tall / 0.5 - 0.8 Meters Trunk Diameter

Average Dried Weight: 605 kg/m<sup>3</sup>

Specific Gravity (Basic, 12% MC): .59 .60

Janka Hardness: 1,360 lbf / 6,050 N

Modulus of Rupture: 14,250 lbf/in<sup>2</sup> / 98.2 MPa

Elastic Modulus: 1,267,000 lbf / in<sup>2</sup> / 8.73 GPa

Crushing Strength: 8,020 lbf/in<sup>2</sup> / 55.3 MPa

Shrinkage: Radial: 1.7%, Tangential: 2.8%, Volumetric: 5.4%, T/R Ratio: 1.6

Colour/Appearance: Heartwood colour can vary widely from a lighter golden brown, to a darker reddish or purplish brown. Colours tend to become more subdued with age.

Grain/Texture: Grain is straight to interlocked. Medium to coarse texture with a low natural lustre.

Endgrain: Diffuse-porous; medium pores in no specific arrangement; solitary and radial multiples of 2-3; mineral deposits occasionally present; growth rings indistinct; rays not visible without lens; parenchyma diffuse-in-aggregates, winged, confluent, and banded (not marginal).



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**Rot Resistance:** Heartwood is rated as being durable; good resistance to insect attack.

**Workability:** Generally easy to work with tools, though if there is interlocked grain present, it may tear out during planing operations. Moderate blunting effect on cutters. Glues, stains, and finishes well.

**Odour:** Has a mild, aromatic scent while being worked.

**Sustainability:** This wood species is not listed in the CITES Appendices, but is reported by the IUCN as being near threatened. Technically it doesn't meet the Red List criteria of a vulnerable or endangered species, but is close to qualifying and/or may qualify in the near future.

**Common Uses:** Furniture, flooring, boatbuilding, veneer, turnings, and other wooden objects.

**Comments:** Sometimes sold under its South African name Kiaat, this wood is actually closely related to the much more well-known African Pad auk (*Pterocarpus Soyauxii*). And, much like other species in the *Pterocarpus* genus, Muninga has outstanding stability, and remain quite stable in the midst of seasonal changes.

**Related Species:**

African Pad auk (*Pterocarpus Soyauxii*)

Amboyna (*Pterocarpus Indicus*)

Andaman Pad auk (*Pterocarpus Dalbergioides*)

Burma Pad auk (*Pterocarpus Macropus*)

Narra (*Pterocarpus Indicus*)

Zitan (*Pterocarpus Santalinus*)





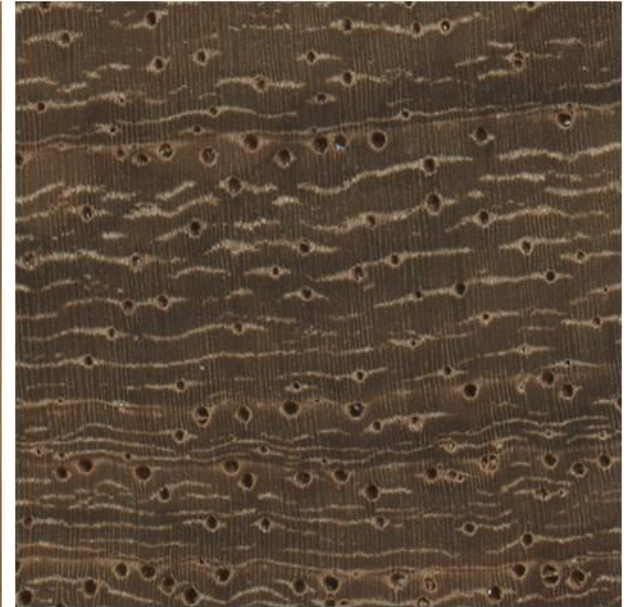
# KIAAT - PTEROCARPUS ANGOLENSIS



SANDED



SEALED



ENDGRAIN X 10

ENDGRAIN







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