Mukulungu

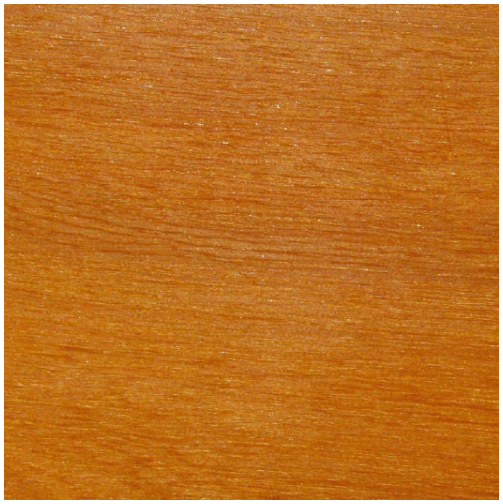
Atibt
Mukulungu; NEN-EN 13556: mukulungu (GB), mukulungu (F), Mukulungu (D), code AWCO

Other names
Kungulu (Angoloa), elanzok, elang, kolo (Cameroon), bouanga (Central African Republic), mfua (Congo), anzala (Nigeria), mukulungu, kabulungu (Democratic Republic of the Congo)

Botanic name
Autranella congolensis (De Wild.) A. Chev. (= Mimusops Congolensis)

Family
Sapotaceae

Growth area
Tropical West Africa, mainly Democratic Republic of Congo.



Tree Description	Height 20-30(-40) m with diameter of 0.7-1.2m, maximum 2m. The trunk is straight and cylindrical and branch-free up to 20-25m
Supply	Roundwood and sawnwood.
Wood Description	The heartwood is red to reddish-brown with dark veins and has a silky sheen. The heartwood stands out clearly against the 20-30mm wide sapwood which is gray-brown to yellow-gray in color. Mukulungu is heavy and hard but cuts well into veneers and then produces decorative cover veneers.
Wood Recognition	Heavy, hard, reddish-brown in color, homogeneous in texture, on kops plane vessels radially oriented and parenchyma in a network with rays.
Grain	Straight, sometimes cross-threaded.
Texture	Fine and even.
Voluminous mass	(800-)940(-1030) kg/m3 at 12% moisture content, fresh about 1000-1200 kg/m3 (moisture content about 30%).
Shrinkage	Radiaal 7,1% en tangentiaal 8,0%.
Drying	Very slow.
Hardness	Longitudinal plane not exactly known but is high.

© Denderwood

www.denderwood.com
E info@denderwood.com
T + 32 53 73 74 74 **F** + 32 53 73 74 75

Machinability	Mukulungu has good mechanical properties and, despite its hardness, can be worked fairly well by machine and hand tools, although the gravel in the wood has a dulling effect on cutting tools.
Nailing & Screwing	Pre-drilling required.
Adhesives	Bad.
Bend	Not known.
Surface finish	Good, with a solvent-based system and with a water-based system.
Impregnability	Heartwood 3, sapwood 3 (according to NEN-EN 350).
Applications	Possibly suitable for veneer manufacture and it could then serve as a substitute for makoré. Mukulungu has good resistance to acids and is therefore eligible for use in the chemical industry.
Strength class	Classified in D35.

Sustainability

Relative resistance to mold
Heartwood class 1 (NEN-EN 350: practical experience and field research), class 1-2 (literature).

Relative resistance to animal organisms
Heartwood: drywood borers D, termites D and marine borers D (NEN-EN 350).

© Denderwood

www.denderwood.com
E info@denderwood.com
T + 32 53 73 74 74 **F** + 32 53 73 74 75