

Kopi (Cupiuba)

WOOD DESCRIPTION

Color:	Yellow brown
Grain:	Interlocked
Interlocked Grain:	Marked but not frequent
Sapwood:	Clearly demarcated
Texture:	Medium
Diameter:	60 - 100 cm
Thickness of sapwood:	3 - 8 cm
Log durability:	Moderate
Floats:	No

Physical description

Crushing strength*:	62 (+/- 11)
Specific gravity *:	0,84 (+/- 0,03)
Stability:	Poorly stable
Static bending strength*:	110 (+/- 16)
Monnin hardness *:	6,2 (+/- 1,8)
Modulus of elasticity *:	18190 (+/- 2939)
Coeff. of volumetric shrinkage:	0,66 % (+/- 0,08)
Total radial shrinkage (RS):	5,1 % (+/- 0,9)
Total tangential shrinkage (TS):	8,8 % (+/- 0,9)
TS/RS ratio (Fiber saturation point):	1,7
Fiber saturation point:	26 %
Musical quality factor:	102 at 2642 Hz

(* at 12% moisture content, with 1 MPa = 1 N/mm²)

Durability

Dry wood borers:	Class D - Durable
Fungi:	Class 3 - Moderately durable
Termites:	Class D - Durable
Treatability:	Class 2 - Moderately permeable

DRYING

Drying rate:	Slow
Risk of distortion:	High risk
Risk of casehardening:	Yes
Risk of checking:	High risk
Risk of collapse:	No
Note:	Drying must be done very slowly.

SAWING AND MACHINING

Blunting effect:	Fairly high
Sawteeth recommended:	Stellite-tipped
Cutting tools:	Tungsten Carbide
Peeling:	Not specified
Slicing:	Nood
Note:	Careful sanding is necessary due to interlocked grain