

Maka Kabbes (Angelim Pedra)

WOOD DESCRIPTION

Color:	Orange - yellow
Grain:	Interlocked
Interlocked Grain:	Slight
Sapwood:	Not clearly demarcated
Texture:	Coarse
Diameter:	70 - 120 cm
Thickness of sapwood:	3 - 5 cm
Log durability:	Moderate
Floats:	No

Physical description

Crushing strength*:	67 (+/- 7)
Specific Gravity *:	0,80 (+/- 0,07)
Stability:	Moderately stable
Static bending strength*:	119 (+/- 15)
Monnin hardness *:	6,3 (+/- 1,7)
Modulus of elasticity *:	20870 (+/- 3828)
Coeff. of volumetric shrinkage:	0,67 % (+/- 0,09)
Total radial shrinkage (RS):	4,9 % (+/- 0,8)
Total tangential shrinkage (TS):	8,3 % (+/- 1,5)
TS/RS ratio:	1,7
Fiber saturation point:	25 %
Musical quality factor:	111,9 at 2607 Hz

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

Durability

Dry wood borers:	Class S - Susceptible
Fungi:	Class 3 - Moderately durable
Termites:	Class S - Susceptible
Treatability:	Class 2 - Moderately permeable

DRYING

Drying rate:	Rapid to normal
Risk of distortion:	Slight risk
Risk of casehardening:	No
Risk of checking:	Slight risk
Risk of collapse:	No
Note:	A slower drying speed can avoid defects

SAWING AND MACHINING

Blunting effect:	Normaql
Sawteeth recommended:	Ordinary or ally steel
Cutting tools:	Ordinary
Peeling:	Bad
Slicing:	Nood
Note:	Possible difficulties if the waxen patches are numerous