

# Kimboto (Goiabao)

## WOOD DESCRIPTION

<b>Color:</b>	Light yellow
<b>Grain:</b>	Straight or interlocked
<b>Interlocked Grain:</b>	Slight
<b>Sapwood:</b>	Not demarcated
<b>Texture:</b>	Fine
<b>Diameter:</b>	60 - 100 cm
<b>Thickness of sapwood:</b>	1 - 2 cm
<b>Log durability:</b>	Low
<b>Floats:</b>	No

## Physical description

<b>Crushing strength*:</b>	79 (+/- 6)
<b>Specific gravity *:</b>	0,91 (+/- 0,08)
<b>Stability:</b>	Stable
<b>Static bending strength*:</b>	145 (+/- 18)
<b>Monnin hardness *:</b>	7,7 (+/- 1,3)
<b>Modulus of elasticity *:</b>	20600 (+/- 1850)
<b>Coeff. of volumetric shrinkage:</b>	0,65 % (+/- 0,05)
<b>Total radial shrinkage (RS):</b>	6,9 % (+/- 0,8)
<b>Total tangential shrinkage (TS):</b>	11,6 % (+/- 0,7)
<b>TS/RS ratio (Fiber saturation point):</b>	1,7
<b>Fiber saturation point:</b>	28 %
<b>Musical quality factor:</b>	109,1 at 2995 Hz

(\* at 12% moisture content, with 1 MPa = 1 N/mm<sup>2</sup>)

## Durability

<b>Dry wood borers:</b>	Class S - Susceptibel
<b>Fungi:</b>	Class 4 - Poorly durable
<b>Termites:</b>	Class S - Susceptibel
<b>Treatability:</b>	Class 2 - Moderately permeable

## DRYING

<b>Drying rate:</b>	Normal
<b>Risk of distortion:</b>	High risk
<b>Risk of casehardening:</b>	No
<b>Risk of checking:</b>	Slight risk
<b>Risk of collapse:</b>	No

## SAWING AND MACHINING

<b>Blunting effect:</b>	Fairly high
<b>Sawteeth recommended:</b>	Stellite-tipped
<b>Cutting tools:</b>	Tungsten Carbide
<b>Peeling:</b>	Not specified
<b>Slicing:</b>	Nood