

Bilinga

ORIGIN

Côte d'Ivoire, Camaroon, Gabon, Nigeria, Zaire, Congo

SCIENTIFIC NAME

Nauclea diderrichii, *Sorcocephalus* spp, *Nauclea gillettii*

COMMON NAMES

Bilinga, Akondoc, N'Gulu-Maza

FAMILY

Rubiaceae

SAPWOOD

Clearly demarcated

HEARTWOOD

COLOUR: Orange or golden yellow

VEIN: Slightly interlocked or interlocked

GRAIN: Medium

TEXTURE: -



PHYSICAL PROPERTIES

Green wood density (kg/m³): 1.000 - 1.100

Density at 12% (kg/m³): 760

Total tangential shrinkage (t%): 7,5

Total radial shrinkage (r%): 4,5

Coeff. of volumetric shrinkage (v%): 0,55

Crushing strength (n/mm²): 63

Bending strength (n/mm²): -

Static bending strength (n/mm²): 95

Modulus of elasticity (n/mm²): 14.660

Monnin hardness: 5,3

TRANSFORMATION

SAWING: Medium

DRYING RATE: Slow, high risk of distortion and checking

MACHINING: Hard due to interlocked grain

FINISHING: Good, pre-boring is necessary

GLUING: Good

NAILING: Hard, pre-boring is necessary

SCREWING: Hard, pre-boring is necessary

USE CLASS ENSURED BY NATURAL DURABILITY

Class 4

In ground or fresh water contact

END-USE

Interiors and exteriors, namely in floors, poles and beams

Construction of sleepers

Heavy Duty Trucks

Ship or naval constructions