

# SAWN LUMBER

# OKUMÈ

GENERAL DESCRIPTION	
Merchandise Category	Lumber
Timber Species	Okumè (Aucoumea klaineana Pierre)
Origin	Western tropical Africa, mainly in Guinea, Cameroon, Gabon and Congo
Unit of Measurement	Cubic Metre (CBM)
Hardness	Medium to low (Brinell: 25-35 N/mm <sup>2</sup> II to the grain, - N/mm <sup>2</sup> T to the grain)
Dimensional Stability	High
Oxidation	Medium
Tonality	Sapwood is clearly demarcated from the heartwood; sapwood is greyish and heartwood is salmon pink
Histological Structure	Regular and sometimes interlocked or wavy grain, medium texture

ESSENTIAL FEATURES	PERFORMANCE
Density	650 kg/m <sup>3</sup> dried- 850 kg/m <sup>3</sup> green
Shrinkage	Radial 4,1-5 %, Tangential 6,1-8 %
Modulus of Elasticity	7500 MPa
Tensile Strength	8,9 MPa
Compressive Strength	42 MPa
Shear Strength	6,8 MPa
Flexural Strength	84 MPa
Biological Durability	Classes: 4 Fungi, D Beetles, S Termite, S Marine Organisms
Impregnation	Classes: 3 Heartwood, n/d Sapwood

### QUALITY DESCRIPTION:

Appearance class FAS / A: ideal for wood joinery in general, for prestigious furniture, interior joinery and solid wood mouldings. It is possible to obtain medium to long elements, defect free, medium knottiness, trace of sapwood are not considered a defect.

### DIMENSION:

- Variable lengths and widths
- Thicknesses: 27 mm – 33mm- 40 mm - 52 mm – 65 mm – 80 mm – 90 mm – 100 mm and others depending on the availability

Source: G. Giordano-Tecnologie del legno; Lignum; CTBA. Wood humidity: between 10 and 20% dried Reference Regulations: UNI EN 942 Timber in joinery-General requirements, UNI EN 350 Durability of wood and wood-based products

### MAIN USES:

Okumè is most commonly used for veneer, plywood, musical instruments, furniture and interior millwork.

### WORKING PROPERTIES:

Sawing is difficult, due to its silicon content, drying is easy and fast; planing could be difficult due to its interlocked grain; gluing, nailing and screwing are trouble free; finishing confers good results.

### CERTIFICATIONS:

There is the possibility to ask for FSC® certified products.



The mark of responsible forestry

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