

# Bacu

## Cariniana Pyriformis

### Family

Lecythidaceae

### Description

Sapwood pale in colour and usually not clearly demarcated from the reddish or brownish heartwood. Lustre medium to high. Texture rather fine. Grain straight to slightly interlocked, and sometimes attractively figured. Bole is straight and cylindrical with clear length of 15 to 24mt (50-80feet). Buttresses strongly developed. Species is common on lower slopes and well-watered valleys, and does not extend into flood plains except occasionally in better drained areas.

### Characteristics

Timber is moderately hard and heavy, tough and strong. With careful seasoning, material does not warp, check or shrink excessively. Fairly difficult to saw because of its silica content. Reported to dull saws and other tools very quickly. Cutters tipped with tungsten carbide and the use of slower feed-speeds are recommended. Timber works easily, but a filler is required to obtain a lustrous finish. Takes paints satisfactorily. Nailing, screwing and gluing properties good. Resistant to termites and marine borers, and to impregnation with preservatives. Stock is resistant to shock. Good dimensional stability. Peels and slices well. Bark is used for rough cordage.

### Uses

Structural timber heavy, Flooring, Ship and boat building, Vehicle body, Furniture, Cabinet work, Handles and ladders, Veneer, Plywood, Interior trim, Joinery, Sleepers, Poles, Piles.

### Density

700-800 Kg /m<sup>3</sup>

### Green

900 Kg /m<sup>3</sup>

*Not susceptible to Lyctus*

### Strength group

S3 – SD3

Moisture Condition	Modulus of rupture		Modulus of elasticity x 10		Maximum crushing strength		Maximum shear strength	
	MPA	LBF/in	MPA	LBF/in	MPA	LBF/in	MPA	LBF/in
Green	73	10600	12.4	1800	36.5	5300	9.09	1320
12%	114.0	16500	14.2	2060	62.0	9000	15.0	2180

### Shrinkage

Tangential Green to 12% m.c.*	Radial Green to 12% m.c.*
5.6 – 7.0	3.1 – 4.0

\*Moisture content

### Durability

**(Class 2, durable)** Approximate life in contact with the ground ( years ) , 15 to 20 , for conditions significantly different from that represented by ground contact , the life expectancies of the specie would obviously be longer than that indicated in this classification.

**Please Note:** Actual colours of wood may vary from displayed images.