

FUMA

1 PILOT NAME : **FUMA**
SCIENTIFIC NAME : *Ceiba pentandra* Gaertn.
(= *Ceiba thoningii* A. Chev.)
FAMILY : Bombacaceae

2 a. Regional distribution : West Africa - Central Africa
b. Sierra Leone : NGWE, BANDA
Ivory Coast : ENIA, FROMAGER
Ghana : ONYINA
Liberia : GHE
Nigeria : OKHA, ARABA
Cameroon : DOUM
Zaire, Congo : FUMA
France : (FROMAGER)
Netherland : (KAKANTRIE)
W. Germany : (CEIBA)
Great-Britain : (CEIBA)
U.S.A. : (SILK COTTON-TREE)
c. Pr. = OCC. Ex. = Low

3 a. Sapwood : not clearly demarcated from heartwood
b. **Heartwood** : - colour : whitish to pale yellow-brown, often with greyish veins
- grain : slightly/occasionally interlocked to highly/frequently interlocked
- texture : coarse
- silver figure : medium
- frequent brittleheart

4 TECHNOLOGICAL PROPERTIES

- Green weight (kg/m³) = 850 - 950
- Specific gravity at 12 % M.C. (kg/m³) MV₁₂ = (very light) 315
- Volumetric swelling for 1 % MC variation V % =
(small movement) 0.35
- Total tangential swelling T % = 6.7
- Total radial swelling R % = 3.0
- Crushing strength (N/mm²) C12 = 21
- Static bending strength (N/mm²) F12 = 50
- Modulus of elasticity (N/mm²) E12 = 4100

5 PROCESSING

Solid wood

- sawing : Blunting effect :
Difficult to saw clearly - tends to be woolly -
requires a larger kerf
- drying : Rapid
Risks of distortion = Slight
Risks of checking = Slight
- machining : No difficulty
- wood bending : No data
- gluing : Good
- nailing : Holding properties = poor
- finishing : Good

Veneer

- : interesting for ROTARY PEELING (room Temp.)

6 END USES

- **Peeled veneers - plywoods**
- Light boxes and crates
- Light furniture components
- Mouldings
- Wooden shoes
- Laminboards and blockboards (cores and veneers)

7 REMARKS

- natural durability : Perishable
- lyctus susceptibility : Yes
- preservative treatment : Permeable
- other remarks :
 - Requires rapid extraction from forest appropriate preservation treatment and drying, to avoid deterioration by insects and fungi (staining and rots).



Cross Section (x 14) photo CTFT

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