

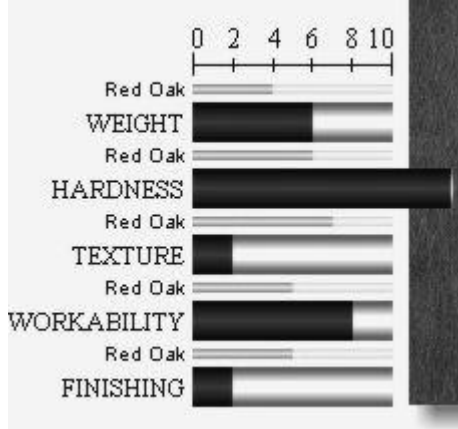
Ebony

(Diospyros spp)



Common Names:

Mgiriti, Msindi, Omernowa, Kanran, Nyareti, Kuku, Gaboon



Mechanical Values

Category	Green	Dry	Units
Weight			lbs/cu.ft.
Density (air-dry)			lbs/cu.ft.
Specific Gravity			
Hardness			lbs
Stiffness		2560	1000 psi
Bending Strength	27400	21200	psi
Shearing Strength			psi
Max. Crushing Strength	13350	9350	psi
Work to Maximum Load			in-lbs/in ³
Radial Shrinkage (G->OD)			%
Tangential Shrink. (G->OD)			%
Volumetric Shrink (G->OD)			%

Distribution

Commercial supplies are mostly from Equatorial West Africa. Forms almost pure groups near riverbanks.

Tree Data

Heartwood uniform jet black or black brown or streaked; sapwood pink colored when freshly cut, darkening to a pale red brown, very variable in width. Texture very fine; grain straight to slightly interlocked or somewhat curly. Sawdust may cause dermatitis. May attain height of 50 to 60 ft with a trunk diameter of about 2 ft. Basic specific gravity (oven-dry weight/green volume) about 0.82; air-dry density 63 pcf.

Drying Defects

In small dimensions dries fairly rapidly with little tendency to check or warp, may split in log form. Kiln schedule T6-D2 is suggested for 4/4 stock and T3-D1 for 8/4. Shrinkage green to 12% moisture content : radial about 5.5%; tangential about 6.5%.

Natural Durability

Heartwood rated as very durable, moderately to highly resistant to termite attack.

Resistance to Impregnation

Heartwood extremely resistant; sapwood moderately resistant to permeable.

Response to Hand Tools

Heartwood difficult to work with hand and machine tools, has a pronounced dulling effect on tool edges, may pick up in planing if grain is irregular, takes an excellent polish. Good steam-bending properties.