Entandrophragma candollei.
Family: Meliaceae
Kosipo

Other Common Names: Omu (Nigeria), Candollei (Ghana).

Distribution: West Africa to Angola and the Congo region; in evergreen, moist, and transitional formations.

The Tree: A large tree to a height of 200 ft with a wide-spreading crown; bole cylindrical, straight and clear to 100 ft; trunk diameters up to 7 ft, buttressed to a height of about 10 ft.

The Wood:
General Characteristics: Heartwood dull brown or purple brown and clearly demarcated from the whitish to pale brown sapwood. Texture rather coarse; grain generally interlocked; without distinctive odor or taste. This is the only species of Entandrophragma that is reported to contain silica.

Weight: Basic specific gravity (ovendry weight/green volume) 0.52 to 0.65; air-dry density 40 to 50 pcf.

Mechanical Properties: (First two sets of data based on the 2-cm standard; third set on the 2-in. standard.)

<table>
<thead>
<tr>
<th>Moisture content</th>
<th>Bending strength</th>
<th>Modulus of elasticity</th>
<th>Maximum crushing strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>(%)</td>
<td>(Psi)</td>
<td>(1,000 psi)</td>
<td>(Psi)</td>
</tr>
<tr>
<td>12% (44)</td>
<td>13,200</td>
<td>NA</td>
<td>7,500</td>
</tr>
<tr>
<td>12% (44)</td>
<td>12,300</td>
<td>NA</td>
<td>7,500</td>
</tr>
<tr>
<td>12% (68)</td>
<td>12,300</td>
<td>1,840</td>
<td>8,450</td>
</tr>
</tbody>
</table>

Amsler toughness 206 to 228 in.-lb for dry material (2-cm specimen).

Drying and Shrinkage: Dries rather slowly with a marked tendency to warp, good stacking minimizes degrade. Kiln schedule T2-D4 is suggested for 4/4 stock and T2-D3 for 8/4. Shrinkage green to air-dry: radial 4.0%; tangential 6.0%. Movement in service is rated as medium.

Working Properties: Rather difficult to saw, works readily with hand and machine tools, tends to tear interlocked grain, polishes and finishes well.

Durability: Heartwood moderately durable and moderately resistant to termite attack.

Preservation: Heartwood resistant to preservative treatment; sapwood moderately resistant.
Uses: Joinery, furniture and cabinetwork, flooring, decorative veneers, plywood, boat construction.

Additional Reading: (3), (9), (44), (68)
