PADAUK

Pterocarpus soyauxii

WOOD DESCRIPTION

Color:	*Red*
Sapwood:	*Clearly Demarcated*
Texture:	*Coarse*
Grain:	*Slightly Interlocked*

CHARACTERISTICS

- Easy to work
- Very durable
- Resistant to termites

COMMON USES

- Cabinetwork
- Flooring
- Turned goods
- Joinery (interior / exterior)
- Sliced veneer
- Heavy carpentry
- Sculpture
- Decorative inlays

AVAILABILITY

- Select & Better
- Mixed Grain, Plain Sawn, Quarter Sawn
- 4/4, 6/4, 8/4 Thicknesses

PHYSICAL / MECHANICAL PROPERTIES

Air Dry Density	*4.2 lbs/bf*
Specific Gravity:	*0.75*
Janka Hardness (lbs):	*1,970*
Volumetric Shrinkage:	*7.6%*
Total Tangential Shrinkage (TS):	*5.2%*
Total Radial Shrinkage (RS):	*3.3%*
TS/RS Ratio:	*1.6*

Fiber Saturation Point:	*21%*
Crushing Strength:	*8,130 lbf*
Static Bending Strength:	*16,824 lbf*
Modulus of Elasticity:	*2,301,748 lbf*
Stability:	*Stable*

WORKING PROPERTIES

Blunting Effect:	*Fairly High*
Sawteeth Recommended:	*Stellite-tipped*
Cutting Tools:	*Tungsten carbide*
Peeling:	*Not recommended*

Note: Tendency to woolliness (tension wood) in sawing. Risks of tearing (interlocked grain) in planing. Ribbon-like aspect on quarter sawn.

Slicing:	*Good*
Nailing / screwing:	*Pre-boring necessary*
Gluing:	*Good*

Note: Pre-boring is necessary; risks of splits especially with thin boards. Gluing requires care (dense wood.)

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