# PURPLEHEART

*Peltogyne spp.*

**Harvested In:**
*Central America*

**Family:**
*FABACEAE - CAESALPINIOIDEAE (angiosperm)*

## WOOD DESCRIPTION

| | |
|---|---|
| Color: | *Purple* |
| Sapwood: | *Clearly Demarcated* |
| Texture: | *Medium* |
| Grain: | *Straight* |

## CHARACTERISTICS

- Difficult to work
- Very durable
- Resistant to termites

## COMMON USES

- Cabinetwork
- Sliced veneer
- Sculpture
- Stairs (interior)
- Turned goods
- Heavy carpentry
- Trailer and container flooring
- Glued laminate

## AVAILABILITY

- Select & Better
- Mixed Grain
- 4/4 and 8/4 Thicknesses

## PHYSICAL / MECHANICAL PROPERTIES

| | |
|---|---|
| Air Dry Density | *4.6lbs/bf* |
| Specific Gravity: | *0.90* |
| Janka Hardness (lbs): | *2,520* |
| Volumetric Shrinkage: | *10.6%* |
| Total Tangential Shrinkage (TS): | *6.7%* |
| Total Radial Shrinkage (RS): | *4.4%* |
| TS/RS Ratio: | *1.5* |

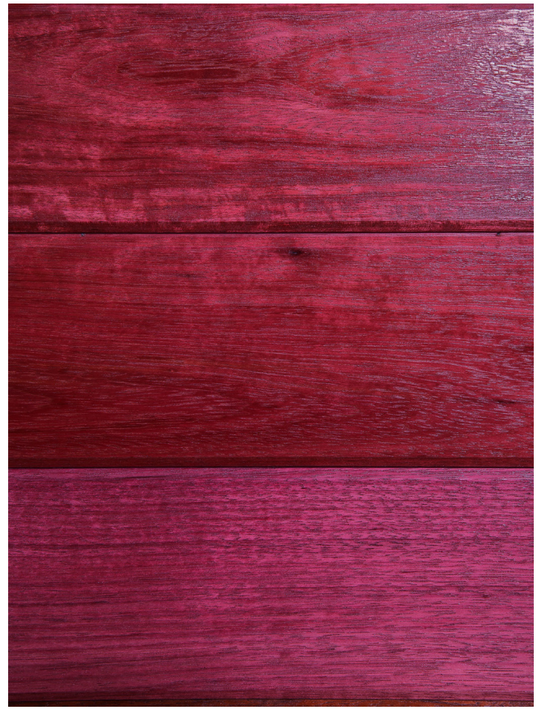
| | |
|---|---|
| Fiber Saturation Point: | *23%* |
| Crushing Strength: | *11,603 lbf* |
| Static Bending Strength: | *20,450 lbf* |
| Modulus of Elasticity: | *3,082,051 lbf* |
| Stability: | *Moderate* |

## WORKING PROPERTIES

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

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

*Note: Tends to split when nailing.*

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