

Purperhart (Purpleheart)

WOOD DESCRIPTION

Color:	Purple
Grain:	Straight
Interlocked Grain:	Absent
Sapwood:	Clearly demarcated
Texture:	Medium
Diameter:	50 - 90 cm
Thickness of sapwood:	5 - 10 cm
Log durability:	Moderate
Floats:	No

Physical description

Crushing strength*:	80 (+/- 9)
Specific gravity *:	0,87 (+/- 0,08)
Stability:	Moderately stable
Static bending strength*:	141 (+/- 19)
Monnin hardness *:	7,6 (+/- 1,4)
Modulus of elasticity *:	21250 (+/- 2220)
Coeff. of volumetric shrinkage:	0,58 % (+/- 0,07)
Total radial shrinkage (RS):	4,4 % (+/- 0,8)
Total tangential shrinkage (TS):	6,7 % (+/- 0,9)
TS/RS ratio (Fiber saturation point):	1,5
Fiber saturation point:	23 %
Musical quality factor:	168 at 2890 Hz

(* at 12% moisture content, with 1 MPa = 1 N/mm²)

Durability

Dry wood borers:	Class D - Durable
Fungi:	Class 2 - Durable
Termites:	Class D - Durable
Treatability:	Class 4 - Not permeable

DRYING

Drying rate:	Normal to slow
Risk of distortion:	Slight risk
Risk of casehardening:	No
Risk of checking:	Slight risk
Risk of collapse:	No

SAWING AND MACHINING

Blunting effect:	Fairly high
Sawteeth recommended:	Stellite-tipped
Cutting tools:	Tungsten Carbide
Peeling:	Not specified
Slicing:	Nood
Note:	Requires much power.