

Tonka (Central South America)

Specification sheet



TONKA

<u>Other Name(s):</u>	Cumaru, Shihuahuaco
<u>Scientific Name:</u>	<i>Dipteryx odorata</i>
<u>Distribution:</u>	Northern South America
<u>Average Dried Weight:</u>	1085 kg/M3
<u>Durability:</u>	Very Durable
<u>Janka Hardness:</u>	14.8 (kN)
<u>Modulus of Rupture/Bending Strength</u>	(175.1 MPa)
<u>Modulus of Elasticity/ stiffness:</u>	(22.33 GPa)
<u>Strength Group:</u>	S1

Description:

Heartwood tends to be a medium to dark brown, sometimes with a reddish or purplish hue; some pieces may have streaks of yellowish or greenish brown. Lustre is low to medium. Grain is interlocked, with a medium texture and a waxy feel.

Rot Resistance:

Cumaru has excellent durability and weathering properties. The wood is rated as very durable regarding decay resistance, though it may be susceptible to some insect attacks.

Working Qualities:

Tends to be difficult to work on account of its density and interlocked grain. If the grain is not too interlocked, Cumaru can be surface-planed to a smooth finish. However, the wood contains silica and will have a moderate blunting effect on tool cutters. Due to its high oil content and density, Cumaru can present difficulties in gluing, and pre-boring is necessary when screwing or nailing the wood.

Uses:

Flooring, heavy construction, docks, railroad ties, bearings, handles, and other turned objects.

Product Attributes:

- Very strong, hard and tough.
- Shock resistant is high