Workahility

**Orkability															
	MACHINING	RESISTANCE TO SPLITTING	JOINT STRENGTH	GLUING	SANDING/ POLISHING	FINISHING	SPECIFIC	WEIGHT PER CUBIC FOOT	WEIGHT PER 1000 BD. FT.	HARDNESS	SHRINKAGE VOLUME (%)	STATIC	IMPACT BENDING	COMPRESSION	DIMENSIONAL STABILITY
Western Alder	9	8	9	10	10	10	.41	28.7	2390	5	12.6	6	5	6	8
Western Red Oak	9	9	8	8	9	9	.57	39.8	3320	8	9.7	6	5	8	9
Pacific Madrone	10	9	8	8	9	6	.65	45.4	3785	10	17.4	6	6	8	5
Tanoak	8	9	9	7	8	8	.66	46.1	3930	9	14.9	10	8	8	7
Bigleaf Maple	8	8	8	8	8	8	.48	33.6	2850	5	11.6	7	6	6	8
Oregon White Oak**	7	8	9	7	8	7	.72	50.3	4190	9	13.4	6	6	9	8
Golden Chestnut*	6	7	7	8	8	8	.46	32.2	2680	6	13.2	7	7	5	7
Northern Poplar*	4	6	5	6	4	4	.35	24.5	2040	3	12.4	4	4	3	5
Oregon Ash*	7	8	7	7	7	8	.55	38.4	3200	8	13.2	9	8	7	7
Sycamore*	7	7	6	6	5	5	.49	34.3	2850	6	14.1	7	9	5	6
California Black Walnut*	9	6	6	7	9	8	.55	38.4	3200	7	12.8	9	8	6	9
Western Birch	9	7	8	9	9	8	.60	32	3250	7	11.5	8	6	7	8

^{* *} Similar figures for California White Oak.

Values obtained from combined consideration of USDA Forest Products Lab. Oregon State University Forest Research Lab, Pittsburgh Testing Lab and years of practical applications.

MACHINING

Average of 5 operations: Planing, shaping, turning, boring and mortising. Highest score is 10.

RESISTANCE TO SPLITTING

Resistance to splitting from nail or screw. Highest score is 10.

JOINT STRENGTH

Average of side and end grain screw holding ability measured in shear factor and converted for comparison. Highest score is 10.

GLUING

Bond strength. Highest score is 10.

SANDING/POLISHING

Resistance to fuzzing. Highest score is 10.

FINISHING

Ability to absorb stain evenly, take oil and water-based finishes without bleaching. Highest score is 10.

SPECIFIC GRAVITY

Green volume, oven dry weight.

WEIGHT PER CUBIC FOOT - Lbs.

At 12% moisture content.

WEIGHT PER 1000 BD. FT. - Lbs.

At 12% moisture content, 4/4 rough.

HARDNESS

Pressure to bury half of 1.13 cm ball perpendicular to grain. Highest score is 10.

SHRINKAGE VOLUME (%)

Percent of across grain shrinkage from green to 6% moisture content.

STATIC BENDING

Resistance to rupture. Highest score is 10.

IMPACT BENDING

Resistance to fiber stress. Highest score is 10.

COMPRESSION

Crushing strength, resistance to weight applied parallel to grain. Highest score is 10.

DIMENSIONAL STABILITY

Resistance to expansion and contraction due to climate variations. Highest score is 10.



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For additional availability information, call or email the Western Hardwood Association. For pricing information contact your supplier.

^{*} Species sheets not available.