

OAK

Strength and Mechanical Properties (inch-pound)_a

		Static Bending			
Moisture Content	Specific Gravity (b)	Modulus of Rupture (lbf/in ²)	Modulus of Elasticity (c) (10 ⁶ lbf/in ²)	Work to Maximum Load (in-lbf/in ³)	
Green-12%	0.52-0.69	7,400-18,100	1.14-2.28	8.0-21.5	
Impact Bending to Grain (in)	Compression Parallel to Grain (lbf/in ²)	Compression Perpendicular to Grain (lbf/in ²)	Shear Parallel to Grain (lbf/in ²)	Tension Perpendicular to Grain (lbf/in ²)	Side Hardness (lbf)
26-54	3,000-8,740	550-1,250	930-2,080	— -1,050	860-1,510