

## OAK

### Strength and Mechanical Properties (inch-pound)<sub>a</sub>

		Static Bending			
Moisture Content	Specific Gravity (b)	Modulus of Rupture (lbf/in <sup>2</sup> )	Modulus of Elasticity (c) (10 <sup>6</sup> lbf/in <sup>2</sup> )	Work to Maximum Load (in-lbf/in <sup>3</sup> )	
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 <sup>2</sup> )	Compression Perpendicular to Grain (lbf/in <sup>2</sup> )	Shear Parallel to Grain (lbf/in <sup>2</sup> )	Tension Perpendicular to Grain (lbf/in <sup>2</sup> )	Side Hardness (lbf)
26-54	3,000-8,740	550-1,250	930-2,080	— -1,050	860-1,510