

Wood Hardness				
<i>By Species</i>			<i>By Pressure</i>	
Species (Kiln-Dried)	Pressure to Mar (In Pounds)	KD Weight per BF/LB	Species (Kiln-Dried)	Pressure to Mar (In Pounds)
Alder	590	2.288	Aspen	350
Ash	1200	3.274	Buckeye, Ohio (Yellow)	350
Aspen	350	2.211	Pine, Eastern White	380
Basswood	410	2.031	Pine, Sugar	380
Beech	1300	3.597	Basswood	410
Black Walnut	1010	3.159	Cottonwood	430
Buckeye, Ohio (Yellow)	350	2.039	Butternut	490
Butternut	490	2.191	Yellow Poplar	540
Catalpa	550	2.305	Catalpa	550
Cedar (Eastern Red)	900	2.620	Alder	590
Cedar, Spanish	600	2.500	Cedar, Spanish	600
Cherry	950	2.881	Sassafras	630
Cottonwood	430	2.308	Sycamore	770
Elm, Gray (American)	830	2.881	Mahogany, Genuine	800
Elm, Red (Slippery)	860	2.986	Elm, Gray (American)	830
Gum	850	2.887	Mahogany, African	830
Hackberry	880	3.060	Gum	850
Hard Maple	1450	3.523	Elm, Red (Slippery)	860
Hickory, Pecan	1820	4.135	Hackberry	880
Locust, Black	1700	3.982	Cedar (Eastern Red)	900
Locust, Honey	1580	3.650	Cherry	950
Mahogany, African	830	3.583	Soft Maple	950
Mahogany, Genuine	800	3.417	Black Walnut	1010
Osage Orange	2360	4.290	Ash	1200
Pine, Eastern White	380	2.020	Yellow Birch	1260
Pine, Sugar	380	2.012	Red Oak	1290
Red Oak	1290	3.494	Beech	1300
Sassafras	630	2.583	White Oak	1360
Soft Maple	950	3.030	Hard Maple	1450
Sapele	1510	3.583	Sapele	1510
Sycamore	770	2.836	Locust, Honey	1580
Tree of Heaven	1731	2.833	Locust, Black	1700
White Oak	1360	3.825	Tree of Heaven	1731
Yellow Birch	1260	3.520	Hickory, Pecan	1820
Yellow Poplar	540	2.475	Osage Orange	2360

Janka Hardness Test: A measure of the hardness of wood, produced by a variation of the Brinell Hardness Test. The test measures the force required to push a steel ball with a diameter of 11.28 millimeters (0.444 inches) into the wood to a depth of half the ball's diameter (the diameter was chosen to produce a circle with an area of 100 square millimeters).