

Common Name(s)	Latin Name	Janka Hardness	Density (lb/ft ³)	Specific Gravity	Stiffness (Msi)	Strength: Modulus of Rupture (psi)	Impact (in)
Balsa	Ochroma pyramida	100	10	0.16	0.70	3,000	
Aspen	Populus tremuloides	350	24	0.38	1.27	8,500	6.7
Gumbo Limbo	Bursera simaruba	370	21	0.32	0.80	5,250	3.0
Jelutong	Dyera costulata	390	28	0.45	1.18	7,335	
Basswood	Tilia Americana	410	20	0.32	1.46	8,700	7.2
Redwood	Sequoia sempervirens	420	26	0.42	0.96	8,400	
Butternut	Juglans Cinerea	490	28	0.45	1.18	8,100	8.2
Cypress, Bald or Pond	Taxodium distichum	510	29	0.46	1.44	10,600	8.2
Chestnut, American	Castanea Dentata	540	27	0.43	1.23	8,600	6.5
Poplar	Liriodendron tulipifera	540	26	0.42	1.58	10,100	8.8
Catalpa	Catalpa spp.	550	26	0.42	1.21	9,400	9.6
Alder	Alnus spp.	590	41	0.37	1.38	9,800	8.4
Douglas Fir	Pseudotsuga Menziesii	660	30	0.48	1.83	12,600	10.0
Pine, Southern Yellow Shortleaf Pine	Pinus	690	34	0.54	1.75	13,100	11.0
Camphor	Cinnamomum camphora	726	32	0.51		10,700	
Sycamore, American	Platanus Occidentalis	770	31	0.49	1.42	10,000	8.5
Mahogany, Honduran	Swietenia Macrophylla	800	28	0.45	1.51	11,514	7.9
Mahogany, African Khaya	Khaya Ivorensis	830	27	0.43	1.39	10,700	8.3
Lacewood, Australian	Cardwellia Sublimis	840	16	0.26	1.31	9,715	
Lacewood Silky Oak	Grevillea robusta	840	38	0.61	1.11	8,460	
Magnolia	Magnolia spp.	870	39	0.63	1.97	14,250	
Walnut, African Mansonia	Lovoa Trichilioides	940	35	0.56	1.34	12,250	
Cherry, Black	Prunus Serotina	950	31	0.50	1.49	12,300	12.8
Imbuia Brazilian Walnut	Phoebe Porosa	950	41	0.66	1.41	12,500	
Makore African Cherry	Mimusops Heckelii	950	42	0.67	1.41	12,720	11.0
Walnut, Brazilian	Phoebe porosa	950	40	0.64	1.41	12,100	
Aniegre	Aningeria spp.	980	34	0.54	1.43	14,743	
Maple, soft (Red and Silver)	Acer Rubrum/Saccharinum	1000	34	0.54	1.64	13,400	12.5
Walnut; Black Walnut	Juglans Nigra	1010	34	0.55	1.68	14,600	14.6
Heartpine	Pinus echinata/elliottii	1020	35	0.56	2.06	15,900	12.6
Holly	Ilex spp.	1020	36	0.57	1.11	5,540	10.7
Narra Amboyna	Pterocarpus Indicus	1020	32	0.52	1.73	13,000	

Teak	Tectona Grandis	1075	36	0.57	1.51	13,310	10.2
Blackwood, Australian	Acacia melanoxylon	1100	40	0.64	2.05	15,900	
Cocobolo	Dalbergia retusa	1136	68	1.09	1.05	10,067	
Birch, Yellow	Betula Alleghaniensis	1260	36	0.57	2.00	16,600	20.8
Iroko							
Kambala	Chlorophora Excelsa	1260	37	0.59	1.46	12,445	
Angelique	Dicorynia Guianensis	1290	40	0.64	2.19	17,390	15.2
Oak, Red	Quercus Rubra	1290	36	0.57	1.83	14,600	21.5
Beech, American	Fagus Grandifolia	1300	35	0.56	1.72	14,900	15.1
Elm	Ulmus americana	1320	31	0.50	1.54	14,800	19.8
Pink Ivory	Rhamnus Zeyheri	1320	56	0.90			
Oak, White	Quercus Alba	1360	37	0.59	1.59	13,700	19.2
Australian Cypress							
White Cypress	Callitris glauca	1375	42	0.68	1.30	11,400	
Ash	Fraxinus Americana/Pe	1380	34	0.55	1.77	15,000	17.6
Santa Maria	Claophyllum Brasilien	1410	39	0.60	1.70	14,640	
Maple, Hard (Sugar/Rock)	Acer Nigrum/Saccharu	1450	39	0.63	1.83	15,800	16.5
Madrone							
Manzanita	Arbutus Spp.	1460	43	0.69	1.23	10,400	8.8
Sapele	Entandrophragma Cyli	1500	37	0.60	1.82	15,200	15.7
Afromosia	Pericopsis elata	1560	44	0.71	1.81	10,350	
Zebrawood							
Zebrano	Microberlinia Brazzavi	1575	53	0.85	2.34	19,500	
Mahogany, Philipene							
Lauan	Shorea spp.	1580	53	0.85	2.56	18,400	
Padauk, Andaman							
Vermillion wood	Pterocarpus dalbergioi	1630	48	0.77	1.78	15,200	
Walnut, Tropical	Juglans Neotropica	1630	38	0.61	1.02	9,100	
Wenge	Millettia laurentii	1630	57	0.91	2.36	19,500	
Shedua	Guibourtia Ehie	1650	52	0.83	2.40	17,750	
Sandalwood	Santalum album	1680	58	0.93		14,600	
Locust, Black	Robinia pseudoacacia	1700	43	0.69	2.05	19,400	18.4
Blackwood, African	Dalbergia melanoxylon	1720	83	1.33	2.98	31,640	
Padauk, African	Pterocarpus soyauxii	1725	45	0.72	1.69	15,438	
Afzelia	Afzelia spp.	1770	44	0.71	2.03	17,195	16.5
Mastic	Sideroxylon spp.	1770			1.86	12,400	
Rosewood, Bolivian							
Morado							
Moradillo							
Pau Ferro	Machaerium acutifoliu	1780	53	0.85	1.58	17,250	
Hickory	Carya Spp.	1820	47	0.75	2.26	20,200	31.7
Pecan	Carya Illinoiensis	1820	41	0.65	2.26	20,200	31.7
Yellowheart							
West Indian Satinwood	Zanthoxylum Flavum/	1820	56	0.90			
Jarrah	Eucalyptus Marginata	1915	42	0.67	1.88	16,200	

Merbau	<i>Intsia bijuga</i>	1925	44	0.70	2.61	21,300	
Bubinga							
African Rosewood	<i>Guibourtia demeusei</i>	1980	55	0.88	2.29	22,293	
Karri	<i>Eucalyptus diversicolor</i>	2023	44	0.70	2.76	19,200	
Purpleheart							
Amaranth	<i>Peltogyne</i> spp.	2090	53	0.85	2.27	20,100	18.0
Tigerwood	<i>Astronium lecointei</i>	2160	55	0.88			10.0
Paduak, Burma	<i>Pterocarpus macrocarp</i>	2170	54	0.87	2.08	20,640	
Bocote	<i>Cordia Gerascanthus/E</i>	2200	40	0.64	1.70	15,583	
Rosewood, Honduran	<i>Dalbergia Stevensonii</i>	2200	60	0.96			
Ziricote	<i>Cordia dodecandra</i>	2200	53	0.85	1.58	15,700	
Lyptus	<i>Eucalyptus grandis+ur</i>	2228	40	0.64			
Goncalo Alves							
Tigerwood	<i>Astronium graveolens</i>	2230	54	0.86	2.17	17,500	10.4
Chechen							
Black Poisonwood							
Caribbean Rosewood	<i>Metopium Brownei</i>	2300	69	1.11			
Persimmon	<i>Diospyros virginiana</i>	2300	52	0.83	2.01	17,700	15.4
Santos Mahogany	<i>myroxylon peruiferum</i>	2320	58	0.93	2.43	21,861	
Mesquite	<i>Prosopis Juliflora/Glar</i>	2345	50	0.80	2.00	16,000	
Osage Orange	<i>Maclura pomifera</i>	2400	53	0.85	1.70	18,000	37.8
Jatoba							
Brazilian Cherry	<i>Hymenaea courbaril</i>	2440	45	0.72	2.16	19,400	
Greenheart	<i>Chlorocardium Rodiaea</i>	2650	52	0.83	3.40	26,500	11.2
Rosewood, Brazillian	<i>Dalbergia Nigra</i>	2720	50	0.80	1.88	18,970	
Olive	<i>Olea hochstetteri</i>	2740	55	0.88	2.53	25,300	
Red Mangrove	<i>Rhizophora mangle</i>	2760	67	1.07	3.20	28,400	
Bloodwood	<i>Brosimum rubescens/p</i>	2900	41	0.66	2.00	15,583	15.6
Tamarindo	<i>Tamarindus indica</i>	3000	58	0.93			
Cerezo							
Bolivian Cherry	<i>Manilkara bidentata</i>	3190	66	1.06	3.14	27,280	
Live Oak	<i>Quercus Virginia</i>	3200	62	0.99	2.96	29,000	
Ebony, African	<i>Diospyros</i> spp.	3220	68	1.09	2.56	27,400	28.1
Brazilian Teak							
Cumaru	<i>Dipteryx Odorata</i>	3540	66	1.06	2.64	25,580	
Sapote							
Monkey Apple	<i>Licania</i> spp.	3570	72	1.15	2.93	23,500	
Ipe							
Lapacho	<i>Tabebuia serratifolia</i>	3684	57	0.92	3.31	26,310	23.0
Ebony, Brazilian							
Wamara	<i>Swartzia tomentosa</i>	3692	70	1.12	3.40	29,000	
Snakewood	<i>Pirantinera guianesis /</i>	3800	73	1.17			

Curupay Brazilian /Patagonian Rosewood							
Tiger Mahogany	Piptadenia Macrocarpa	3840	65	1.04	2.73	29,290	
Palo Santo Argentine Lignum Vitae	Bulnesia Sarmienti	4000	69	1.10		26,100	
Tamarindo Jutahy	Dialium Guianense	4000	68	1.08	2.92	24,400	
Verawood Maracaibo Lignum Vitae	Bulnesia Arborea	4000	78	1.25			
Lignum Vitae	Guaiacum Officinale	4500	80	1.28			