



All Species Comparison Chart

| Species | Appearance (Color/Grain) | Weight (lbs/bf) | Specific Gravity (Basic / 12% MC) | Durability (Rot Resistance) | Termite Resistance | Modulus of Rupture (PSI) | Fire Rating | Workability | Modulus of Elasticity (1,000 PSI) | Janka Hardness (lbs) | Maximum Crushing Strength (PSI) |
|---------------------------|---|-----------------|-----------------------------------|--------------------------------|----------------------------------|--------------------------|-------------|-----------------------|-----------------------------------|----------------------|---------------------------------|
| Angelim Pedra | Reddish Brown w/Colored Streaks, Color Darkens w/Age, Interlocked Grain w/Uniform, Medium-Coarse Texture. | 67 | 0.79 / 1.07 | Very Durable to Durable | | 22,550 | | Easy to Work | 2,811 | 3,160 | 12,450 |
| Apitong/Keruing | Light to Medium Yellowish Brown, Straight to Slightly Interlocked Grain w/Medium to Coarse Texture. | 46 | 0.59 / 0.74 | Moderately Durable | Susceptible to Termites | 16,710 | | Easy to Work | 2,293 | 1,390 | 8,900 |
| Cumaru | Medium to Dark Brown w/Reddish to Purple Hue, Grays to Silver Patina w/Age, Interlocked Grain w/Medium Texture. | 68 | .86 / 1.09 | Very Durable 25 years | Very Resistant to Termites | 25,390 | A - B | Difficult to Work | 3,237 | 3,330 | 13,850 |
| Garapa | Golden to Yellowish Brown, Darkens w/Age, Typically Straight Grain, Uniform Medium Texture. | 51 | 0.65 / 0.82 | Moderately Durable 10-15 Years | Resistant to Termites | 18,530 | A - B | Easy to Work | 2,257 | 1,650 | 9,030 |
| Ipe | Yellowish Olive to Darker Brown, Grays to Silver Patina w/Age, Straight to Interlocked Grain, Fine to Medium Texture. | 69 | 0.91 / 1.10 | Very Durable 25+ Years | Very Resistant to Termites | 25,660 | A - B+ | Difficult to Work | 3,200 | 3,680 | 13,600 |
| Khaya/African Mahogany | Pale Pink to Reddish Brown w/some Streaks, Darkens w/Age, Straight to Interlocked Grain, Medium to Coarse Texture. | 40 | 0.52 / 0.64 | Moderately Durable | Resistant to Termites | 13,190 | | Easy to Work | 1,537 | 1,070 | 7,100 |
| Meranti - Dark Red Seraya | Light Red to Dark Red, Darkens to Deep Red, Brown or Dark Yellow, Interlocked Grain, Moderately Coarse Texture. | 44 | | Durable | Moderately Resistant to Termites | 13,300 | | Easy to Work | 1,650 | 780 | 7,670 |
| Meranti - DUC | Dark Red to Brown, Darkens w/Age, Interlocked Grain, Coarse Texture. | 30 | 0.40 / 0.48 | Non Durable | Susceptible to Termites | 11,210 | | Easy to Work | 1,652 | 550 | 6,120 |
| Meranti - Nemesu | Red to Dark Red, Darkens to Deep Yellow or Brown, Interlocked Grain, Moderately Coarse Texture. | 49 | | Durable | Moderately Resistant to Termites | 17,761 | | Easy to Work | 2,475 | 825 | 8,762 |
| Okoume | Pale Pink to Light Brown, Darkens w/Age, Straight or Slightly Interlocked to Wavy Grain, Medium Texture. | 27 | 0.35 / 0.43 | Non Durable | Susceptible to Termites | 10,870 | | Glues & Finishes Well | 1,228 | 400 | 5,250 |
| Purpleheart | Dull grayish-purple brown, Eggplant Purple w/UV Exposure, Darkens to Dark Brown w/Purple Hue, Straight Grain, Medium Texture. | 56 | 0.76 / 0.90 | Very Durable | Very Resistant to Termites | 22,000 | | Difficult to Work | 2,937 | 2,520 | 12,140 |
| Sapele | Golden to Dark Reddish Brown, Darkens w/Age, Interlocked or Wavy Grain, Fine Uniform Texture. | 42 | 0.50 / 0.67 | Moderately Durable | Resistant to Termites | 15,930 | | Easy to Work | 1,746 | 1,410 | 8,750 |
| Sipo | Uniform Medium Reddish Brown, Interlocked Grain, Medium Uniform Texture. | 40 | 0.53 / 0.63 | Moderately Durable | Resistant to Termites | 15,060 | | Easy to Work | 1,689 | 1,180 | 8,280 |
| Spanish Cedar | Uniform Light Pink to Reddish Brown, Darkens w/Age, Straight to Slightly Interlocked Grain, Medium Texture. | 29 | 0.38 / 0.47 | Durable | Resistant to Termites | 10,260 | | Easy to Work | 1,323 | 600 | 5,860 |
| Teak | Golden to Medium Brown, Darkens w/Age, Straight Grain, Uneven Texture. | 41 | 0.55 / 0.66 | Very Durable | Very Resistant to Termites | 14,080 | | Easy to Work | 1,781 | 1,070 | 7,940 |
| Tigerwood | Medium Reddish Brown w/Dark Brown to Black Streaks, Darkens w/Age, Interlocked to Wavy Grain, Fine Uniform Texture. | 57 | 0.80 / 0.91 | Very Durable 25 Years | Resistant to Termites | 16,970 | A - B | Difficult to Work | 2,401 | 2,170 | 10,770 |