

Janka je mjera za tvrdoću drva, SG za gustoću, a PCF za težinu.

Engleski izvornik: The Janka rating is determined by measuring the force required to embed an 11.28 mm (0.444 in) steel ball into wood to half its diameter. The specific gravity of a wood is its relative density to water. And the pounds per cubic foot is the weight of a cubic foot of the wood measured in pounds.

### Anigre (Yellow)



Janka: 740  
SG: .40  
PCF: 30-34

This African hardwood is suitable for medial and top plies, it has a nice soft/woody feel and a very smooth texture. Good for DEF+ to OFF- depending on the other plies it's used with.

### Ash (White)



Janka: 1320  
SG: .66  
PCF: 42

This is a wood best suited for fast all-wood blades. It's heavy and hard so it's best paired with lighter and softer core and outer plies. It's rarely used and when it is, it's generally a medial ply.

### Balsa



Janka: 88  
SG: .17  
PCF: 11

Balsa is one of the most diverse woods used in blade making. Due to its durability it's only practical use is as a core (or handle for ultra light blades). Its density can vary significantly and its behavior is relative to its thickness, thus it can be used for any range of speed.

### Basswood



Janka: 410  
SG: .41  
PCF: 27

It's in that ambiguous range of hardness and density which can be used for any ply. It's generally used in cheaper blades but it can certainly make a quality product. Its behavior is widely determined by the plies and thus it is another very diverse wood.

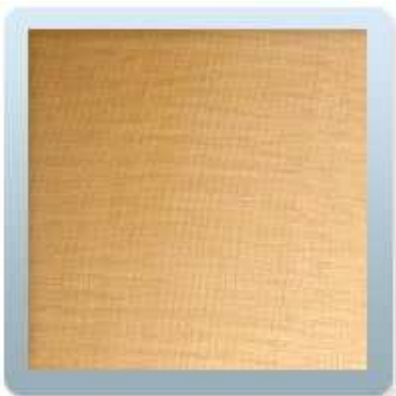
### **Cedar (Red Western)**



Janka: 350  
SG: .37  
PCF: 23

This wood is a good substitute for cypress. It has a soft woody feel and a very nice grain pattern when quarter sawn. It's a perfect candidate for single ply-blades. Kevin from American Hinoki deserves some credit for popularizing this wood in table tennis blades.

### **Cedar (Port Orford)**



Janka: 720  
SG: .44  
PCF: 30

A bit harder and denser than it's previously mentioned cousin, this wood is also a good candidate for a single ply, as well as a lovely substitute for Hinoki Cypress.

### **Cypress**



Janka: 300-800  
SG: .20-.46  
PCF: 32

There are several different species of cypress and they're all usable for making blades. Hinoki wood is perhaps the most sought after wood for blades. Cypress is very much like cedar in it's feel and appearance, but it tends to be more yellow. Cypress and the two cedars mentioned can serve as cores, medial plies, and outer plies.

## Douglas Fir



Janka: 650  
SG: .50  
PCF: 34

I haven't seen any other blades made with Fir, but it's one of my favorite woods for medial plies. It's very much like the last three woods mentioned.

## Jatoba



Janka: 2820  
SG: .71  
PCF: 56

Hard and very heavy. Its only practical use is as a very thin top ply. It melds well with balsa to create a long pips-friendly blade.

## Kiri



Janka: 250  
SG: .26  
PCF: 16

It's a bit over double the hardness of balsa, but it remains very light-weight. This is a great core wood for faster blades with heavier medial and outer plies. Just like balsa, it cuts down on vibration and makes a blade with a little less feeling than something made with a wood like cypress.

## Koto



Janka: 950  
SG: .65  
PCF: 35

This wood is widely used by Butterfly. It's a good offensive wood. It tends to feel pretty hard and has a sharp tone.

### **Limba**



Janka: 490  
SG: .45  
PCF: 34

Limba is a great wood for outer and medial plies. It has a medium-soft feel.

### **Obeche (Ayous, Abachi)**



Janka: 430  
SG: .38  
PCF: 24

This wood is in 90% or more of all blades on the market. It's commonly called Ayous or Abachi. It's used as outer, medial, and core plies, as well as for some single-ply blades. It feels like Limba.

### **Poplar**



Janka: 430  
SG: .42  
PCF: 30

This wood is good is similar to ayous and basswood.

### **Spruce**



Janka: 300-500  
SG: .43  
PCF: 27

This wood is generally used as a medial ply. It's similar to cypress and the cedars in terms of its feel.

### **Walnut (Black)**



Janka: 1010  
SG: .59  
PCF: 40

This one is mostly used as a top ply. It has a hard but crisp feeling.

### **Willow**



Janka: 360  
SG: .39  
PCF: 26

Defensive wood. It eats up the force of an incoming ball. It has a hollow feeling.

## Zebrano



Janka: 1575  
SG: .74  
PCF: 46

Hard and heavy wood with good woody feel. It's not used by any major manufacturers. It's definitely an outer ply only.