

Chapter 5 Mechanical Properties of Wood

Table 5–5b. Mechanical properties of some woods imported into the United States other than Canadian imports (inch–pound)^a—con.

Common and botanical names of species	Moisture content	Specific gravity	Static bending			Com- pression parallel to grain (lbf in ⁻²)	Shear parallel to grain (lbf in ⁻²)	Side hard- ness (lbf)	Sample origin ^b
			Modulus of rupture (lbf in ⁻²)	Modulus of elasticity (×10 ⁶ lbf in ⁻²)	Work to maximum load (in-lbf in ⁻³)				
Ilomba (<i>Pycnanthus angolensis</i>)	Green	0.4	5,500	1.14	—	2,900	840	470	AF
	12%		9,900	1.59	—	5,550	1,290	610	
Ipe (<i>Tabebuia</i> spp., lapacho group)	Green	0.92	22,600	2.92	27.6	10,350	2,120	3,060	AM
	12%		25,400	3.14	22	13,010	2,060	3,680	
Iroko (<i>Chlorophora</i> spp.)	Green	0.54	10,200	1.29	10.5	4,910	1,310	1,080	AF
	12%		12,400	1.46	9	7,590	1,800	1,260	