

MIXED MAPLE	Sel. Str.									
	No. 1	1000	600	195	620	875	1,300,000			
	No. 2	725	425	195	620	700	1,200,000			
	No. 3	700	425	195	620	550	1,100,000			
	Construction	400	250	195	620	325	1,000,000			
	Standard	800	475	195	620	725	1,100,000			
	Utility	450	275	195	620	575	1,000,000			
	Stud	225	125	195	620	375	900,000			
		550	325	195	620	350	1,000,000			
BEECH-BIRCH- HICKORY	Sel. Str.									
	No. 1	1450	850	195	715	1200	1,700,000			
	No. 2	1050	600	195	715	950	1,600,000			
	No. 3	1000	600	195	715	750	1,500,000			
	Construction	575	350	195	715	425	1,300,000			
	Standard	1150	675	195	715	1000	1,400,000			
	Utility	650	375	195	715	775	1,300,000			
	Stud	300	175	195	715	500	1,200,000			
		775	450	195	715	475	1,300,000			





TABLE 2
(Continued)
DIMENSION LUMBER BASE VALUES — HARDWOODS
 2" to 4" THICK by 2" and WIDER
 USE WITH ADJUSTMENT TABLES A THROUGH G
 Design Values in Pounds Per Square Inch

Grades Described in para. 10.0-12.4

Also Stress Rated Boards, See para. 17.0

Species or Group	Grade	Extreme Fiber Stress in Bending "Fb" Single Member	Tension Parallel to Grain "Ft"	Horizontal Shear "Fv"	Compression		Modulus Elasticity "E"
					Perpendicular "Fc _⊥ "	Parallel to Grain "Fc _{//} "	
MIXED OAK	Sel. Str.	1150	675	170	800	1000	1,100,000
	No. 1	825	500	170	800	825	1,000,000
	No. 2	800	475	170	800	625	900,000
	No. 3	475	275	170	800	375	800,000
	Construction Standard	925	550	170	800	850	900,000
	Utility	525	300	170	800	650	800,000
	Stud	250	150	170	800	425	800,000
			625	375	170	800	400

RED OAK	Sel. Str.	1150	675	170	820	1000	1,400,000	
	No. 1	825	500	170	820	825	1,300,000	
	No. 2	800	475	170	820	625	1,200,000	
	No. 3	475	275	170	820	375	1,100,000	
	Construction	925	550	170	820	850	1,200,000	
	Standard	525	300	170	820	650	1,100,000	
	Utility	250	150	170	820	425	1,000,000	
	Stud	625	375	170	820	400	1,100,000	
	NORTHERN RED OAK	Sel. Str.	1400	800	220	885	1150	1,400,000
		No. 1	1000	575	220	885	925	1,400,000
No. 2		975	575	220	885	725	1,300,000	
No. 3		550	325	220	885	425	1,200,000	
Construction		1100	650	220	885	975	1,200,000	
Standard		625	350	220	885	750	1,100,000	
Utility		300	175	220	885	500	1,000,000	
Stud		750	450	220	885	450	1,200,000	





TABLE 2
(Continued)
DIMENSION LUMBER BASE VALUES – HARDWOODS
 2” to 4” THICK by 2” and WIDER
 USE WITH ADJUSTMENT TABLES A THROUGH G

Design Values in Pounds Per Square Inch

Grades Described in para. 10.0-12.4

Also Stress Rated Boards, See para. 17.0

Species or Group	Grade	Extreme Fiber Stress in Bending “Fb” Single Member	Tension Parallel to Grain “Ft”	Horizontal Shear “Fv”	Compression		Modulus Elasticity “E”
					Perpendicular “Fc _⊥ ”	Parallel to Grain “Fc//”	
WHITE OAK	Sel. Str.	1200	700	220	800	1100	1,100,000
	No. 1	875	500	220	800	900	1,000,000
	No. 2	850	500	220	800	700	900,000
	No. 3	475	275	220	800	400	800,000
	Construction Standard	950	550	220	800	925	900,000
	Utility	525	325	220	800	725	800,000
	Stud	250	150	220	800	475	800,000
			650	375	220	800	450

ASPEN	Sel. Str.	875	500	120	265	725	1,100,000	
	No. 1	625	375	120	265	600	1,100,000	
	No. 2	600	350	120	265	450	1,000,000	
	No. 3	350	200	120	265	275	900,000	
	Construction	700	400	120	265	625	900,000	
	Standard	375	225	120	265	475	900,000	
	Utility	175	100	120	265	300	800,000	
	Stud	475	275	120	265	300	900,000	
	YELLOW POPLAR	Sel. Str.	1000	575	145	420	900	1,500,000
		No. 1	725	425	145	420	725	1,400,000
No. 2		700	400	145	420	575	1,300,000	
No. 3		400	225	145	420	325	1,200,000	
Construction		800	475	145	420	750	1,300,000	
Standard		450	250	145	420	575	1,100,000	
Utility		200	125	145	420	375	1,100,000	
Stud		550	325	145	420	350	1,200,000	

See para. 31.0 through 37.0 for additional information on these values.

