

AIR-DRIED SPECIMENS FROM WHITE PINE BEAM 16.

Spec.	Tension Tests.		Tensile strength in lbs. per sq. in.	So. wt. in lbs. per cub. ft.	Coefficients of elasticity in lbs. per sq. in.		Coefficients of elasticity in lbs. per sq. in.		Compression strength in lbs. per sq. in.		Sp. wt. in lbs. per cub. ft.		Shearing Tests.		
	Coefficients of elasticity in lbs. per sq. in.				Coefficients of elasticity in lbs. per sq. in.		Coefficients of elasticity in lbs. per sq. in.		Sp. wt. in lbs. per cub. ft.		Shearing Tests.				
	Forward.	Return.			Forward.	Return.	Forward.	Return.	Spec.	Shearing strength in lbs. per sq. in. of flats.	Sp. wt. in lbs. per cub. ft.	Shearing strength in lbs. per sq. in. of rounds.			
a	1,626,330	1,563,510	9,777	.....	g <sub>1</sub>	1,915,550	1,912,950	k <sub>1</sub>	321.90	26,552	n	552.95			
b	1,813,820	1,803,510	10,021	.....	g <sub>2</sub>	1,691,000	1,690,900	k <sub>2</sub>	405.40	25,911	r	636.74			
c	1,843,200	1,898,240	5,772	.....	g <sub>3</sub>	1,455,090	1,449,670	l	321.35	25,952	w	689.113			
d	2,243,150	2,225,170	12,108	.....	h	1,571,990	1,569,160	m	291.81	26,534	x	537.15			
e	2,243,150	2,225,170	11,902	.....	i	1,560,010	1,557,620	n	375.56	26,807	y	.....			
f	1,652,480	.....	10,884	.....	j	.....	.....	o	331.21	26,672	z	.....			
					k	.....	.....	p	342.80	26,581					
					l	.....	.....	q	313.82	25,929					
					m	.....	.....	r	410.45	27,454					
					n	.....	.....	s	534.68	26,540					
					o	.....	.....	t	352.98	27,513					

Remarks.—The values of *E* for specimens *a*, *c*, *d* and *f* have been calculated from the first series of readings only, and are consequently smaller than if repeated readings had been taken.