

European Beech

Latin Name:	Fagus Sylvatica				
Origin:	Europe				
Strength Class:	D30				
Weight:	Approx 710 kg/m ³				
Durability:	Durable				
Description:	A pale cream colour, sometimes with a pink or brown shade. The grain is straight with a fine to medium uniform texture.				
Mechanical Properties:	It machines well, glues easily and produces a good finish. Responds superbly to steam bending. It does however have a large amount of movement in service. It is prone to warping, checking and splitting whilst drying.				
Main Uses:	Lumber Veneer Flooring Boat Building	Cabinetry Musical Instruments Plywood Turned objects			

Furniture

Standard Name	Grade	Bending parallel to grain ^a	Tension parallel to grain ^a	Compression		Shear	Modulus of elasticity		Approx
				Parallel to grain	Perpendicular to grain ^b	parallel to grain	Mean	Minimum	Weight Kg/m3
		N/mm ²	N/mm²	N/mm²	N/mm ²	N/mm ²	N/mm ²	N/mm ²	
Balau	D70	23.4	14.1	23.0	5.3	2.8	20 900	16 700	850
Beech	D30	22.8	22.8	15.2	4.5	3.1	11 400	7 200	710
Douglas Fir	C24	4.4	2.6	5.2	2.1	0.8	9 500	6 000	530
Ekki	D70	25.0	15.0	24.6	5.6	3.0	18 500	15 500	1050
Greenheart	D70	26.1	15.6	23.7	5.9	2.6	21 600	18 000	1030
Iroko	D40	12.6	7.5	12.6	2.8	1.6	10 600	8 500	660
Jarrah	D40	13.8	8.2	14.2	3.1	2.0	12 400	8 700	835
Kapur	D60	18.1	10.9	18.0	4.1	1.9	19 200	15 800	770
Keruing	D50	16.2	9.7	16.0	3.6	1.7	19 300	16 100	745
Larch	C24	5.3	3.2	6.8	1.8	0.8	9 000	6 000	575
Oak	D40	20.7	20.1	15.2	4.5	3.1	9 700	5 200	700
Opepe	D50	17.0	10.2	17.6	3.8	2.1	14 500	11 300	740