

<u>Balau</u>

Family Name: Dipterocarpaceae

Latin Name: Shorea spp

Origin: Malaysia

Strength Class: D70

Weight: Approx 850 kg/m³

Durability: Durable

Description: Colour ranges from pale straw to darker reddish brown. It has an

even texture and the grain can be interlocked.

Mechanical Good steam bending classification. Dries slowly with a

Properties: tendancy to split.

Main Uses: General Construction Veneer

Flooring Decking

Plywood Outdoor Furniture

Standard Name	Grade	Bending parallel to grain ^a N/mm ²	Tension parallel to grain ^a N/mm ²	Compression		Shear	Modulus of elasticity		Approx
				Parallel to grain N/mm²	Perpendicular to grain ^b N/mm²	parallel to grain N/mm²	Mean N/mm²	Minimum N/mm²	Weight Kg/m3
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

b When the specifications specifically prohibit wane at bearing areas, the HS grade compression perpendicular to the grain stress may be multiplied by 1.33