

PHYSICAL & MECHANICAL PROPERTIES

BALAU



Physical Properties:

| | |
|-------------------|---|
| Air Dry Density: | 850 – 1,155 kg/m ³ |
| Shrinkage Radial: | 1.7 – 2.1 % |
| Tangential: | 3.5 – 3.9 % |
| Seasoning: | Dries very slowly and care is needed to avoid end-checks and splitting. |



Mechanical Properties:

| | |
|--|--------------------------|
| Strength Group: | A |
| Static Bending MOE: | 20,100 N/mm ² |
| MOR: | 142 N/mm ² |
| Compression Strength Perpendicular to Grain: | 9.79 N/mm ² |
| Parallel to Grain: | 76.00 N/mm ² |
| Shear Strength: | 15.00 N/mm ² |
| Durability: | Very Durable |

Uses / Applications:

- Construction
- Bridges
- Wharves
- Railway Sleepers
- Transmission Posts
- Beams
- Keels & Keelsons
- Door & Window Frames
- Dock Blocks
- Heavy duty furniture
- Heavy duty flooring
- Framework of carriages
- Wagons
- Lorry & Truck Bodywork

Source: Malaysian Timber Industry Board, 1994, €100 Malaysian Timbersnd Edition.