

PHYSICAL & MECHANICAL PROPERTIES

KERUING

Physical Properties:

Air Dry Density:	690 – 945 kg/m ³
Shrinkage	Radial: 1.6 – 3.1 %
	Tangential: 3.3 – 7.4 %
Seasoning:	Generally Seasons well without serious defects



Mechanical Properties:

Strength Group:	B
Static Bending MOE:	17,000 – 22,300 N/mm ²
MOR:	91 – 133 N/mm ²
Compression Strength	Perpendicular to Grain: 4.34 – 9.17 N/mm ²
	Parallel to Grain: 50.20 – 68.10 N/mm ²
Shear Strength:	9.20 – 12.30 N/mm ²
Durability:	Moderately Durable

Uses / Applications:

- Construction
- Bridges
- Harbor Works
- Railway Sleepers
- Transmission Posts
- Framework of Wagons
- Wagon Flooring
- Container Flooring
- Truck Bodywork

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