

Foam insulation value: can be defined as a U-Value or TOG value which is a measurement on how well a material resists heat flow. The higher the TOR rating the better the insulation.

Mattress foam density is a key indicator of mattress quality. The minimum foam density for a bed mattress should be 22 kg/m³ (1.37 lb/ft³).

The firmness is defined by the indentation load deflection. This factor is the amount of force required to indent a sample of foam to 25% of its original height. It may vary from 5 to 100 kg

Foam Specifications	
Material:	PPE (Polyphenylene Ether)
Type:	Closed cell
Density:	Foam density is a key indicator of mattress quality. A High density > 27 kg/ m ²
Thickness:	Min.10-12mm

Other Requirements

- *Covering:* for covered mattresses, coverings should be easily removable to allow them to be washed.
- *Fire:* mattresses should not produce toxic fumes when burnt and should not be easily flammable.
- *Waterproofing:* all mattresses and mats should be kept dry by ensuring that they are separated from the ground by a waterproof membrane. Additional plastic sheeting, timber or cement may be required to separate the bedding from the ground