



# MNLO51

## Material Datasheet

### Material Description & Properties

#### Mechanical properties of the core material

Density (Kg/m <sup>3</sup> )	ISO 7322	170-205
Thermal conductivity (W/mK)	ISO 8301	0,046*
Loss factor (at 1Hz)	ASTM D 5023	0,089*

\*Typical values

#### Key features

- Good drapeability
- Print blocking capability
- Stable material
- Lower resin consumption
- Resin compatibility (Excellent for: Epoxy, Polyester, Phenolic, Vynilester and Polyurethane)

Flexibility and excellent conformability make **MNLO51** possible to be easily integrated into fast production cycles. This product can be processed by hand layup, vacuum bagging and infusion processes and will withstand manufacturing temperatures up to 150°C.

The unique properties of **MNLO51** such as: a closed air filled cell structure, low water absorption, rot resistance and high level of noise and vibration attenuation make it an excellent core material for the composites industry - perfectly aligned with the new green classifications.

#### Lightweight



#### Thermal insulation



#### Vibration damping



#### Sustainable and energy efficient



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