



MNL051

Material Datasheet

Material Description & Properties

Mechanical properties of the core material

Density (Kg/m³)	ISO 7322	170-205
Thermal conductivity (W/mK)	ISO 8301	0,046*
Loss factor (at 1Hz)	ASTM D 5023	0,089*

*Typical values

Flexibility and excellent conformability make **MNL051** 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 **MNL051** 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.

Key features

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

Lightweight



Thermal insulation



Vibration damping



Sustainable and energy efficient



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