

Datasheet
Lantor **Teccore**[®]



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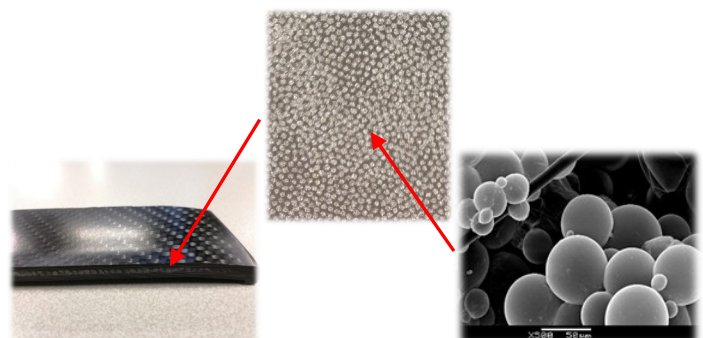
- Lantor Teccore creates additional stiffness in advanced composite panels at lower weight and cost. A panel density of 0.9 g/cm³ can be achieved.
- By replacing carbon (prepreg) content, Lantor Teccore reduces the environmental impact of carbon composites up to 40% CO₂ eq. emission and energy used. Teccore has a nonwoven base made from recycled bottles and resin bonded microspheres to build up low weight volume.
- Lantor Teccore helps to reduce the fiber print in composite parts and makes painting much easier.

Applications of Lantor Teccore[®]

- Lantor Teccore is used as a core layer in 1 - 5 mm thick carbon fiber parts to form a low weight (micro) sandwich structure.
- Lantor Teccore is a drapeable, formable and compressible core material that can be used in all types of composite manufacturing techniques like VARI, out of autoclave, autoclave, thermopressing and RTM.

Properties	TG90	TG120	TG180HP
Dry weight (g/m ²)	80 - 95	105 - 130	160 - 200
Roll length (m)	120	80	80
Roll width (cm)	127	127	123
Dry core volume	40 - 50%	40 - 50%	40 - 50%
Material color	Dark grey	Dark grey	Dark grey on black fleece
Thickness under vacuum 1 bar (mm)	1.4	1.9	1.3
Thickness in autoclave 6 bar (mm)	0.2 (dry) 0.4 (prepreg)*	0.3 (dry) 0.6 (prepreg)*	0.6 (dry) 0.9 (prepreg)*
Thickness in press 20 bar (mm)	N/A	N/A	0.3 (dry) 0.5 (prepreg)*
Max RTM mould pressure (bar)	5	5	20

*) When prepregged by hotmelt or wet lamination with 400 g/m² resin; Consult your prepreg supplier about the possibilities.



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Information

PO Box 45 - 3900 AA
Verlaat 22 - 3901 RG
Veenendaal
The Netherlands
T +31(0) 318537 111

LANTOR
committed to the core
www.lantor.com