

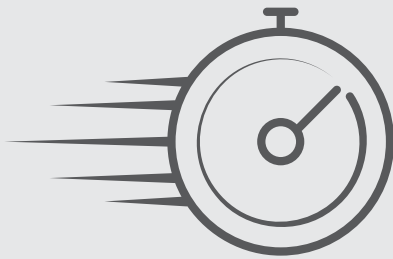
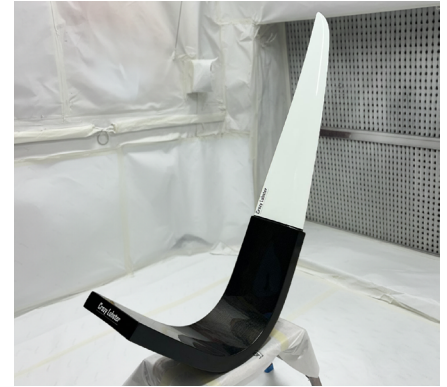
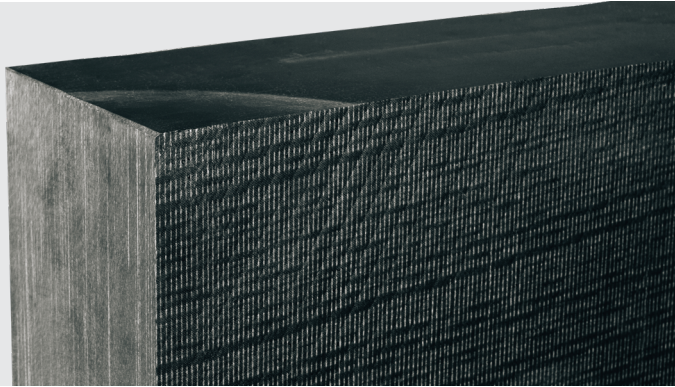
STEADY PLUS UD

FLOW-OPTIMIZED UD FABRICS

This unidirectional NCF is one of our specially developed material solutions for applications with high laminate thickness. Our flow optimized fabric aims to avoid dry spots in the laminate and significantly improve component quality. Our product range is available in different configurations including glass and carbon fiber inputs – with maximum compressive strength, potential savings in resin consumption and very good drapability.

- ✓ **Application-optimized for thick laminate structures up to 2.8 in**
Efficient processing in all applications including thick laminates.
- ✓ **Optimized drapability allowing high design freedom**
Easy to work with thanks to its textile architecture and its evenness.
- ✓ **Up to 1.6x faster infusion**
Reliable vacuum infusion process due to a quicker and improved fabric impregnation.
- ✓ **Reduction of resin consumption by up to 27%**
Potential savings due to high fiber volume fraction (in the amount of 60%).
- ✓ **Tensile strength increased by 14%**
Excellent mechanical properties in terms of tensile and compression strength compared to standard NCFs or woven rovings.
- ✓ **Easy handling for small tapes**
The material offers high handling stability, making it ideal for the use in small widths without fiber displacement or distortion during lay-up.

ENGINEERED FOR
THICK LAMINATES



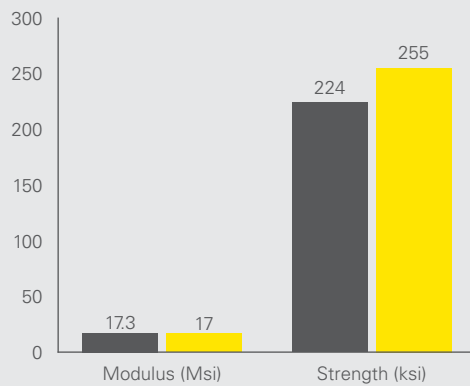
SAME LAMINATE. FASTER INFUSION.

Infusion time for 35 layers of UD 17.7 oz/yd² (~1 inch)

- Standard Carbon NCF UD: 25 minutes
- Carbon Steady Plus UD: 15 minutes → **40% quicker!**

Tensile 0°

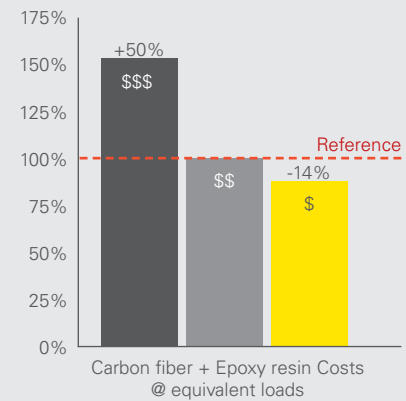
Increase your tensile strength with Steady Plus UD



* HT Carbon input

Part Cost Comparison

Save costs and material with Steady Plus UD



Carbon fiber + Epoxy resin Costs @ equivalent loads

TECHNICAL DATA

Process

Raw material input

Weights*

Widths

STEADY PLUS UD

Infusion, RTM, Light RTM, HLU

Glass or Carbon with individual fiber inputs

17.7 - 35.3 oz/yd²

50 mm/1.97 in - 600 mm/23.64 in

* individual weights on request



Product availability and specifications may vary by region. Please contact us for details.

Visit our website for more information.

REINFORCING YOUR IDEAS