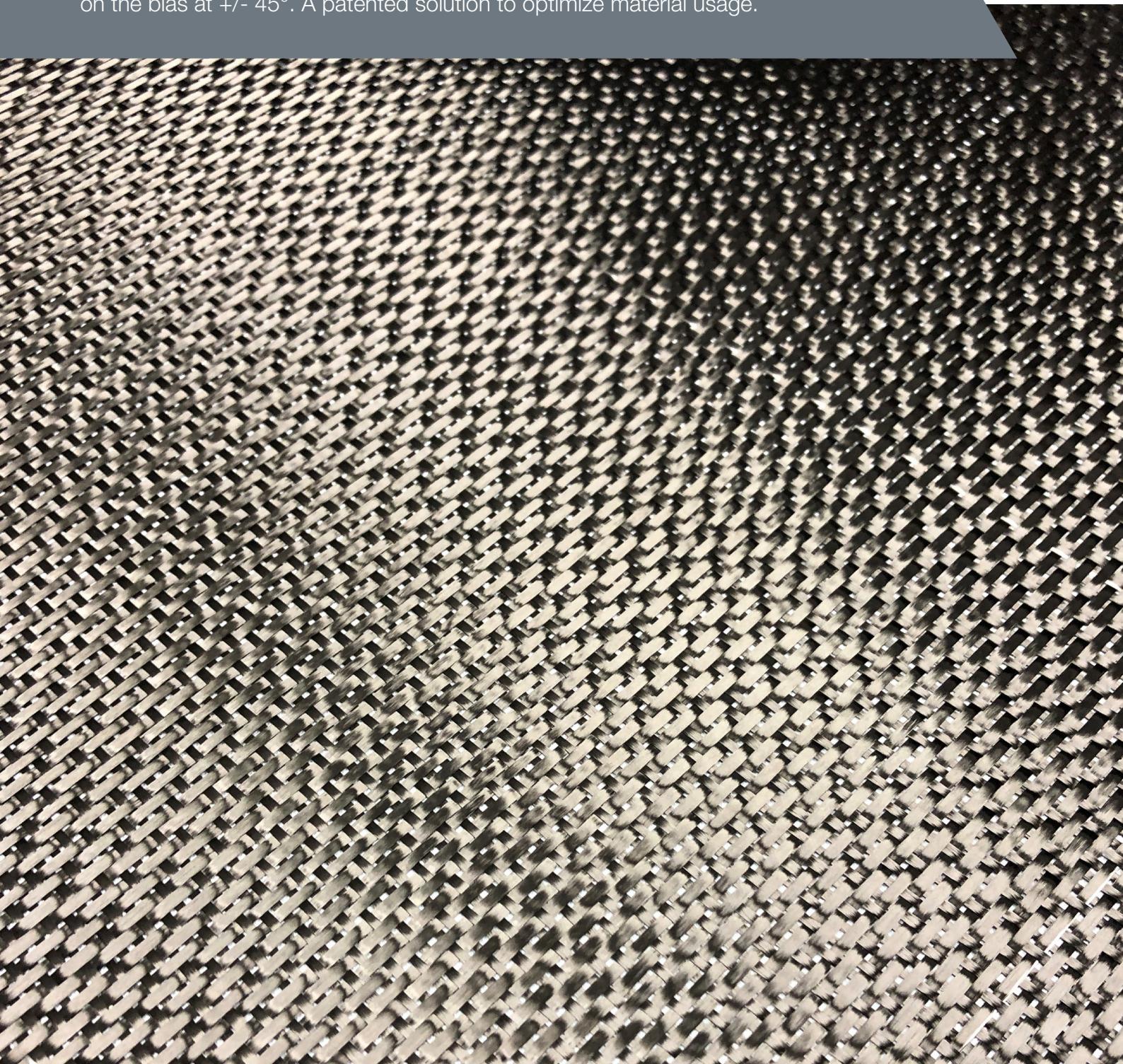




HexForce® Bias Weave

Reinforcements

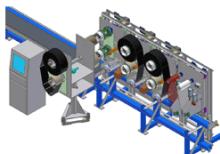
Continuous rolls of carbon fiber fabric in which the warp and weft yarns are oriented on the bias at +/- 45°. A patented solution to optimize material usage.



HexForce® Bias Weave Reinforcements

Reduced prepreg waste (up to 60% savings)

- Prepregged fabrics can be slit to an optimum width for automated manufacturing
- Kitting waste from cutting of standard 0/90° to +/- 45° is eliminated
- Reduced labor
- Pattern cutting and lay-up is simplified
- Increased design allowables as the warp and fill will have the same properties due to an equal amount of crimp (unlike standard 0/90 fabrics)
- Elimination of fabric or prepreg splices in parts
- This continuous fabric provides constant thickness along the length of the part by eliminating seams



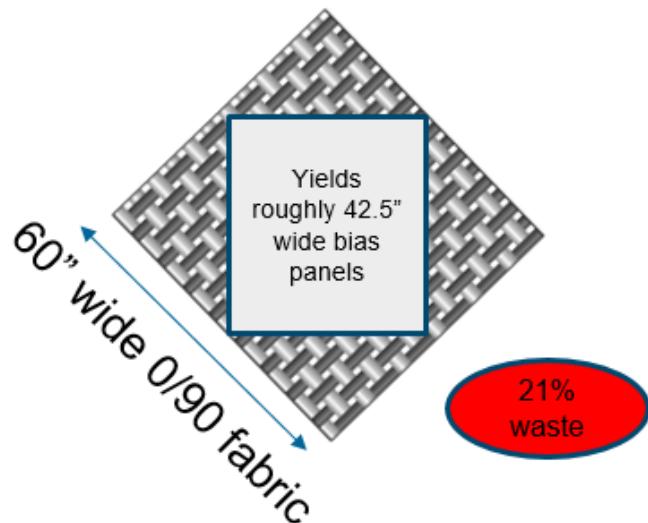
Product Range

- Currently available for 193-285 gsm: 3K HS, 6K IM and 6K HM
- HexForce® PX (+/-45° plain weave)
- HexForce® CSX (+/-45° crow foot satin weave)

Produced with high strength (HexTow® AS4) and intermediate modulus (HexTow® IM7) fibers. Minimum master width available: 50" and 60". Ideal for prepreg and RTM processing.

Ideal for high aspect ratio parts that need bias reinforcement:

- Ribs, stringers, spars
- Helicopter blades
- Engine nacelles
- Secondary structures
- Barrel sections of aircraft



For U.S. quotes, orders and product information call toll-free 1-866-601-5430. For other worldwide sales office telephone numbers and a full address list, please go to:

<http://www.hexcel.com/contact>

Copyright © 2022 – Hexcel Corporation – All Rights Reserved. All trademarks herein are property of Hexcel Corporation. Hexcel Corporation believes, in good faith, that the technical data and other information provided herein is materially accurate as of the date this document is prepared. Hexcel reserves the right to modify such information at any time. The performance values in this data sheet are considered representative but do not and should not constitute specification minima. The only obligations of Hexcel, including warranties, if any, will be set forth in a contract signed by Hexcel or in Hexcel's then current standard Terms and Conditions of Sale as set forth on the back of Hexcel's Order Acknowledgement.