



# HexForce<sup>®</sup> Bias Weave

## Reinforcements

Continuous rolls of carbon fiber fabric in which the warp and weft yarns are oriented on the bias at  $\pm 45^\circ$ . A patented solution to optimize material usage.

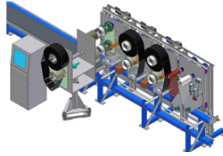




# HexForce® Bias Weave Reinforcements

## 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  $\pm 45^\circ$  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



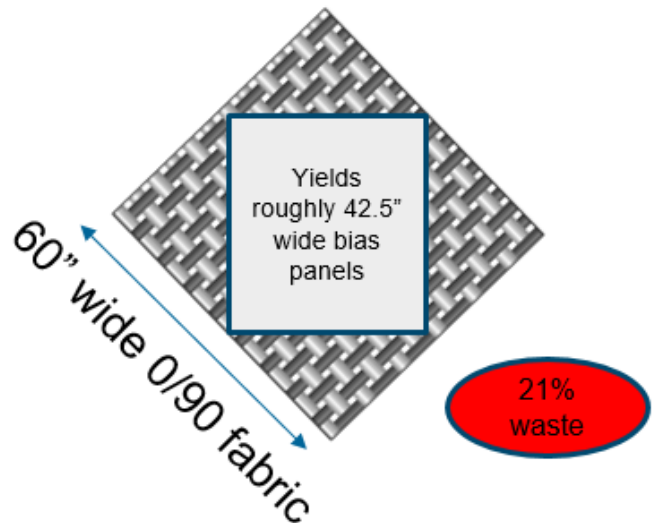
## Ideal for high aspect ratio parts that need bias reinforcement:

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

## Product Range

- Currently available for 193-285 gsm: 3K HS, 6K IM and 6K HM
- HexForce® PX ( $\pm 45^\circ$  plain weave)
- HexForce® CSX ( $\pm 45^\circ$  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.



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>

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