



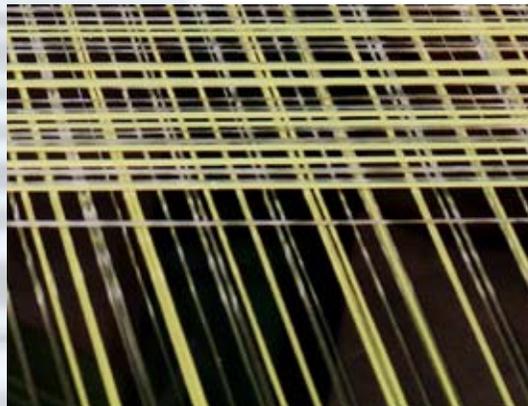
## Discover the Benefits

### V2's Custom-Tailored Composite Reinforcements:

- Stronger, structurally efficient fabrics
- Non-crimp construction improves mechanical properties
- Custom stitch configuration controls drape and density
- Long-term fatigue resistance
- Outstanding flexural strength
- Greater impact resistance
- High stiffness-to-thickness ratio
- High fiber volume
- Predictable laminate properties

## ***High-Performance Structural Efficiency***

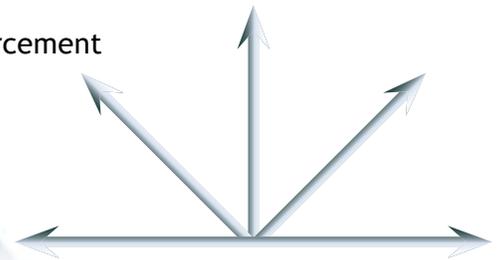
V2's non-crimp fabrics provide maximum fiber strength while maintaining a fabric's structural integrity since fibers are not crimped or stressed as they are in conventionally woven fabrics.



The stitch-bonded, multi-axial construction of V2's non-crimp fabrics prevents the degradation of fiber strength that occurs with conventional woven fabrics. Straight line construction promotes optimal physical properties of

fibers (tensile strength, compression and modulus), maintains the fabric's structural integrity, preserves its mechanical qualities (such as drape or stiffness), reduces lay-up time (faster wet-out) and cost (higher fiber volumes).

Rather than interlacing reinforcement yarns, non-crimped fibers are layered on top of each other. Multiaxial layers, which are configured to accommodate each customer's unique structural requirements at angles of 0, 90, +45, and -45 degrees, are then "locked" in place by a stitch matrix.



Contact your V2 representative today to enjoy the benefits of advanced composites technology with V2's custom designed reinforcement products.

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