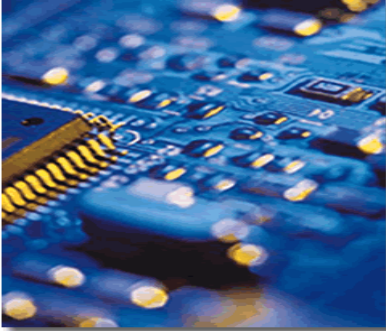


*the Fabric of Innovation*



## *NovaSpeed™* Fiberglass Fabric

### *Description*

*NovaSpeed™* fiberglass fabric is made with a proprietary glass composition that provides superior electrical properties versus E-glass for improved signal speed and integrity.

### *Applications*

- Electronics - High signal speed, low loss circuitry such as internet switching gear, high speed computing and data storage networks, and wireless base stations.
- Aerospace - Radomes and low observable (stealth) materials.

### *Product Features*

- Low dielectric constant ( $D_K$ ), low loss ( $D_F$ ).
- TwistFree™ yarn construction for excellent dimensional stability.
- Flat, smooth surface ideal for fine line circuitry.
- Minimal weave knuckles for improved mechanical drilling.
- Spread glass fibers for improved impedance control and laser drillability.
- Up to 30% thinner than other glass fabrics, ideal for high layer count boards.
- Direct Finish™ technology for improved resin-fiber interface and CAF resistance.
- Low hollow fiber count for maximum circuit reliability.

### *Key Properties*

Glass Composition: Low  $D_K$  Glass  
 Electrical (glass only):  $D_K$  4.5 to 5.0  $D_F$  .0053 (@10 GHz)  
 DirectFinish™: Finish 98 - epoxy silane compatible finish designed for amine, anhydride and polyamide curing systems.

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