

*the Fabric of Innovation*



# *NovaSmooth™*

## Fiberglass Fabric

### *Description*

*NovaSmooth™* fiberglass fabric is engineered for superior performance in Teflon® and other PTFE applications. A PTFE-compatible fiber finish provides improved coupling and coating efficiency.

### *Applications*

- Electronics - Microwave and other advanced circuitry requiring low dielectric constant ( $D_K$ ) and low loss ( $D_F$ ) properties.
- General Industry - PTFE coated glass used in packaging, electrical insulation, food processing, architectural and chemical processing applications.

### *Product Features*

- Excellent adhesion and peel strength.
- Low broken filament level and superior surface quality.
- Smoother, flatter profile than other glass fabrics.
- Up to 30% thinner due to TwistFree™ yarn construction.
- Low fabric porosity for improved coating efficiency.
- High X-Y uniformity for improved consistency and dimensional stability.

### *Key Properties*

Glass Composition: E-glass  
Electrical (glass only):  $D_K$  6.0 to 6.5  $D_F$  .0059 (@10 GHz)  
DirectFinish™: Finish 100 - a PTFE-compatible finish designed for enhanced adhesion with PTFE dispersions.

*Certified for compliance with ASTM D579 and IPC 4412.*

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