

## Kevlar® Mesh Fabrics Properties

Premium Kevlar® Fabrics are engineered to maintain their unique flexibility, dimensional stability, dielectric and tensile strength, and non-stick properties, while performing under the harshest environmental conditions. Innotecs' fabrics are abrasion, tear, puncture, fire and chemical resistant; they also maintain their unique properties under pressure and extreme temperatures: -100° F to 575° F (-73° C to 302° C). Premium Kevlar® Fabrics have received USDA and NSF approval for direct food contact and are FDA compliant (21 CFR177.1550).

## Benefits

- Kevlar® is 5X stronger than steel on an equal weight basis, but lightweight & flexible at the same time.
- High tensile strength at low weight
- Low elongation to break high modulus (structural rigidity)
- Low electrical conductivity
- High chemical resistance
- High toughness (work-to-break)
- Low thermal shrinkage
- Excellent dimensional stability
- Higher UV resistance than glass
- High cut resistance
- Heavy Duty drying application
- Flame resistant, self-extinguishing
- Experiences no embitterment or degradation at -320 deg. F (same with Nomex)

**Additional applications exist. Contact Innotec of WI, Inc. for more specific information.**

## Styles Available

Nominal Thickness	Color	Window Openings (In.)	Tensil-Warp (lbs./sq. yd.)	Full Widths (In.)
0.027"	Yellow	0.109	350	84
0.62"	Yellow	0.313	400	84

Please note: Additional thickness and styles available upon special order and lead times may vary for different styles and widths.

\*Disclaimer: All figures provided in the above table are based upon ASTM D 4969-97, the Standard Specification for Polytetrafluoroethylene (PTFE) Coated Glass Fabric. The above PIW values are based upon the ASTM D828 test method and are not actual values of Innotecs' materials. The above tensile values are 80% of the figures provided in Table 6 of specification D579. Innotec of WI, Inc. states that its actual tensile will be greater than the above material specification and that actual tensile values will be provided upon request. Edge Tear values are based upon ASTM D1424 (Elmendorf Tearing Test) and are average values that can vary.