

Mesh PTFE Coated Fabric Characteristics

Mesh Fabrics are engineered to retain the distinctive properties of PTFE; however, by adding a glass fabric to the matrix, Innotec is able to obtain the added benefits of dimensional stability, durability, excellent tensile strength and extremely low elongation (<1%). Mesh Fabrics have received USDA approval for food processing and handling, and are FDA compliant (21 CFR177.1550). In addition, the Mesh fabrics can operate in temperatures from -400°F (-240°C) under static conditions and -100°F (-73°C) under dynamic conditions up to 550°F (288°C).

Typical Applications

Food Products:

- Curing, drying, smoking of poultry, meat, fish and vegetables
- Dehydration of poultry, meat, fish, vegetables and fruit

Building Products:

- Manufacture of vacuum laminate

Other Applications:

- Manufacture of abrasive wheels

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

Styles Available

Nominal Thickness	Weight (lbs/sq yd)	Tensile Warp* (lbs/sq in)	Tensile Fill* (lbs/sq in)	Edge Tear Warp (grams)	Edge Tear Fill (grams)	Full Widths (inches)
Tan	.030"	5/32"	Proprietary	Proprietary	Proprietary	122, 141*
Tan	.060"	1/4"	Proprietary	Proprietary	Proprietary	83*, 122, 141*
Tan	.031"	1/16"	Proprietary	400	364	74
Tan	.048"	3/16"	Proprietary	Proprietary	Proprietary	84*, 122, 141*
Black	.030"	5/32"	Proprietary	Proprietary	Proprietary	122, 141*
Black	.031"	1/16"	Proprietary	400	364	74
Black	.048"	3/16"	Proprietary	Proprietary	Proprietary	84*, 122, 141*
Black	.060"	1/4"	Proprietary	Proprietary	Proprietary	83*, 122, 141*

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 tensile values are based upon the ASTM D828 test method and are not actual values of Innotec's materials. The above tensile values are 80% of the figures provided in Table 6 of specification D579. Innotec 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.