

Mesh PTFE Coated Belt Characteristics

Mesh Belts 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, excellent tensile strength and extremely low elongation (<1%). Mesh Belts have received USDA approval for food processing and handling, and are FDA compliant (21 CFR177.1550). In addition, the Mesh belts 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

Packaging:

- Shrink packaging
- Bundling

Food Products:

- Baking and cooking of bakery goods and confectionary
- Cooking and grilling of meat, poultry, fish and vegetables
- Cryogenic/flash freezing of meat, poultry, fish and vegetables
- Drying of meat, fish, poultry, spices and vegetables

Polymer Processing:

- Curing and drying of rubber, sponge, foams, and polyurethane glues

Building Products:

- Vacuum processing of laminates

Printing and Textiles:

- Processing of natural, synthetic, woven, non-woven, and knitting fabrics
- Drying and curing of screen printed paper, metal, glass, wood, plastic, and textiles
- Heat setting of synthetic yarn

Other:

- Curing and drying of varnish
- Manufacture of paint chips
- Processing of printed circuit boards

Styles Available

Color	Nominal Thickness	Tensile* (lbs/in. of width)	Edge Tear Warp (grams)	Edge Tear Fill (grams)	Recommended Min. Pulley Dia.	Maximum Widths (in.)
Tan	.030"	Proprietary	Proprietary	Proprietary	6"	120
Tan	.031"	Proprietary	400	364	6"	74
Tan	.048"	Proprietary	Proprietary	Proprietary	6"	120
Tan	.060"	Proprietary	Proprietary	Proprietary	6"	120
Black	.030"	Proprietary	Proprietary	Proprietary	6"	120
Black	.031"	Proprietary	400	364	6"	74
Black	.048"	Proprietary	Proprietary	Proprietary	6"	120
Black	.060"	Proprietary	Proprietary	Proprietary	6"	120

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 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.