

## Porous PTFE Coated Belt Characteristics

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%). Belts have received USDA approval for food processing and handling, and are FDA compliant (21 CFR177.1550). In addition, the 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

### 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

### Polymer Processing:

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

### Building Products:

- Vacuum processing of laminates

### Other:

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

## Styles Available

| Nominal Thickness | Weight (lbs/sq yd) | Tensile* (lbs/in. of width) | Edge Tear Warp (grams) | Edge Tear Fill (grams) | Recommended Min. Pulley Dia. | Maximum Widths (in.) |
|-------------------|--------------------|-----------------------------|------------------------|------------------------|------------------------------|----------------------|
| .003"             | 0.13               | 32                          | 380                    | 250                    | 3"                           | 80                   |
| .005"             | 0.26               | 112                         | 800                    | 700                    | 3"                           | 80                   |
| .010"             | 0.48               | 160                         | 1400                   | 1100                   | 3"                           | 80                   |
| .014"             | 0.7                | 232                         | 3700                   | 3200                   | 6"                           | 80                   |
| .025"             | 1.3                | 472                         | >6400                  | >6400                  | 8"                           | 60                   |
| .028"             | Proprietary        | Proprietary                 | >6400                  | >6400                  | 10"                          | 141                  |
| .033"             | Proprietary        | Proprietary                 | >6400                  | >6400                  | 10"                          | 141                  |
| .038"             | 1.9                | 640                         | >6400                  | >6400                  | 10"                          | 60                   |

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.