



# Engineered Materials

## For Food and Packaging

EXCEPTIONAL RELEASE • COMPRESSION RESISTANCE • RESISTANCE TO EXTREME HEAT • EASY TO CLEAN  
ABRASION RESISTANCE • SUPERIOR STRENGTH • HIGHLY DURABLE • FAST REPLACEMENT



## FABRICS | BELTS | TAPES

Heat Seal • Blister Pack • Heat Shrink • Dryer Belts • Conveyor Belts  
Form Fill Seal • Tissue Wrap • Vacuum Pack • Curve Seal



# Engineered Materials For Food and Packaging

*Green Belting Industries offers a complete range of engineered PTFE-coated fabrics, tapes, films, and belts that enhances production efficiency, improves output quality, and saves you time and money.*

## Baking Sheets / Oven Liners

Excellent nonstick release properties, and resistance to extreme temperatures (-73°C to 288°C / -100°F to 550°F) make FDA-compliant PTFE Fabrics ideal for various cooking applications. They are very easy to clean and resist chemical bonding and abrasion.



## Food Processing Conveyor Belts

FDA-compliant PTFE Conveyor Belts have excellent strength and dimensional stability at high temperatures and pressure. With an easy-to clean nonstick surface, and exceptional resistance to abrasion and chemical bonding, they are ideal for use in flat bread baking equipment.



## Open Mesh Conveyor Belts

Open Mesh belts, made with PTFE-coated fiberglass, aramid, or uncoated polyester, suit a wide range of food processing purposes including drying, smoking, and de-watering of food products. They are also used for print drying in shrink tunnel packaging equipment.



## End Sealing Belts – Paper Products

PTFE Belts, with top-edge eyelet tracking devices, are used in the thermal end-sealing process for paper products such as paper towels, toilet paper, paper napkins, etc. The belts provide a thermal-conductive, nonstick barrier between the heat-sealing elements and the product / packaging as it passes between the two belts and sealing elements.



## Form Fill Seal

PTFE Fabrics and Tapes are used in various types of heat-seal applications including Form-Fill-Seal machinery. These uses rely on key PTFE / Glass attributes such as high heat tolerance, thermal-conductivity, release properties, abrasion resistance, and strength.



## Heat-Seal & Shrink Tunnel

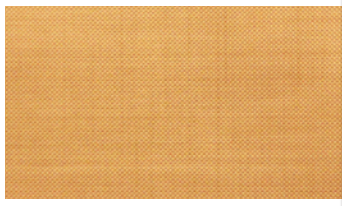
Multiple Green Belting Industries materials are used in this machinery, including 100 Series PTFE / Glass Tape to protect the sealing elements, Open Mesh Belting for the conveyor, and Silicone / Glass for shrink tunnel curtains. All are designed to withstand the high temperatures, long-term repetitive use, and resist adhesion of molten polyfilm.





## Selected samples of FDA-compliant products used in food and packaging industries

### PTFE and Silicone Fabrics



#### 100 Series PTFE / Glass

- Standard grade PTFE / Glass
- 3, 5\*, 6, 8 SW, 10, 14, 20 mil thicknesses
- Fabrics & Belts used in baking, oven liners, heat-sealing, and more...



#### 100 Premium (PR) PTFE / Glass

- Additional premium coating
- 3 & 6 mil thicknesses
- Fabrics & Belts used in baking, heat seal, polyfilm bag production, and more...



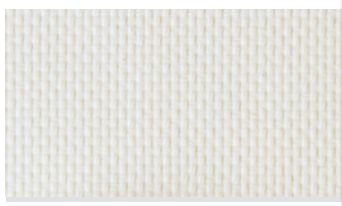
#### DXL PTFE / Glass

- Enhanced abrasion resistant coating
- 5 & 10 mil thicknesses
- Fabrics & Belts used in baking, drying, press sheets...



#### 2 Ply PTFE / Glass

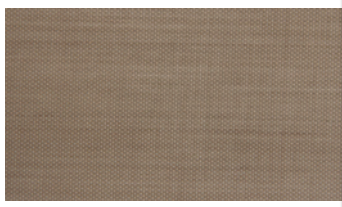
- PTFE / Glass
- Standard, Mech, TR, or DXL\* Grades
- Double Thickness 3\*, 5, 6, mil (x2)
- Belts for heat-seal (top-seal) applications...



#### Silicone Glass Fabric

- Silicone Glass
- 7 & 35 mil thicknesses
- Fabrics used as curtains for shrink tunnels, release applications...

### PTFE and Film Tapes



#### 100 Series PTFE / Glass Tapes

- PTFE / Glass
- Silicone adhesive
- 3, 5, 6, 8 SW\*, 10 mil thicknesses
- Protective tape used for heat-seal elements, guide rails, chute linings, process roll coverings, reusable release surfaces, and bearing pads...



#### GR6 Mould Release

- Silicone adhesive
- 6\* mil thickness
- Very smooth surface
- Exceptional release
- Exceptional abrasion resistance
- Protective tape used for heat-seal elements, guide rails, chute linings, process roll coverings, reusable release surfaces, and bearing pads...



#### PTFE / Glass Zone Tapes

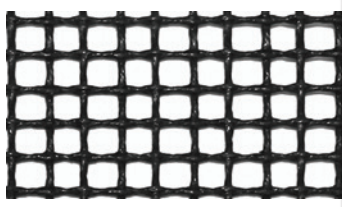
- PTFE / Glass / Aluminium
- Acrylic adhesive on outside edges
- 3, 5\*, 6 mil thickness (base material)
- Non-adhering center zone makes it ideal for use as protective tape for impulse heat-seal wires...



#### 130 Series UHMW Film Tape

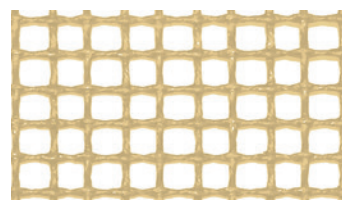
- UHMW Polyolefin film
- Acrylic adhesive
- 5 & 10\* mil thicknesses
- Used as wear strips, chute linings, guide rails, sliding surfaces, work surface lining...

### Open Mesh Belting



#### PTFE / Glass Open Mesh

- 1 X 1 plain or leno weave, brown
- 4 X 4\* leno weave, brown, black\*, blue
- Belts for drying, baking, smoking, and freezing of food products, heat-shrink tunnel conveyors...

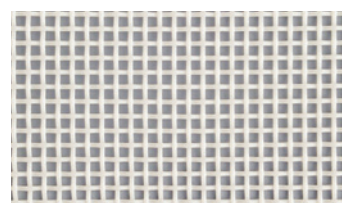


#### PTFE / Aramid Open Mesh

- 1 X 1 PTFE Coated Dupont™ Kevlar® fiber plain weave, brown
- 4 X 4\* PTFE Coated Kevlar® leno weave, brown\*
- 4 X 4 PTFE Kevlar® / Glass, leno, brown
- Belts for baking, steaming, smoking, freezing, drying, moist environments...

Belting products can be custom fabricated with a wide range of fabric or open mesh substrates, edge, splice, and tracking features to best suit your machinery, process, and the nature / demands of your products.

For more information about Green Belting Industries Custom Belt Fabrication, please contact your Green Belting Industries representative or call our customer service department.



#### Polyester Mesh

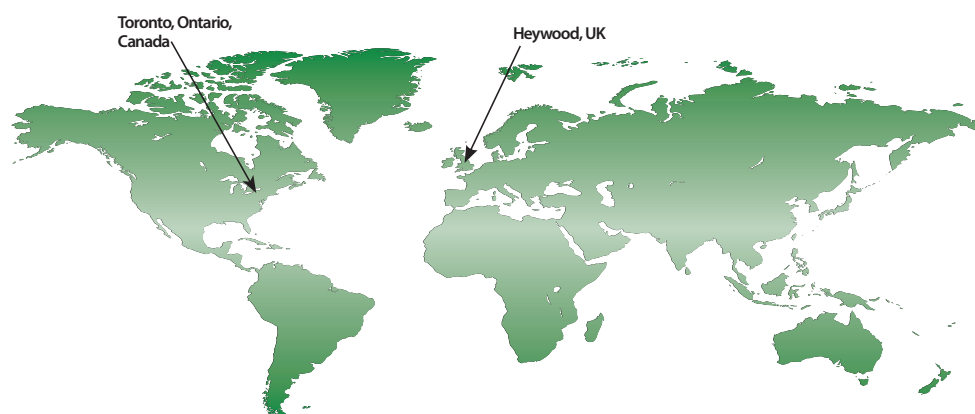
- 1 X 1 plain\* weave
- Belts for washing and de-watering of various items including vegetables, cheese, and waste products...

## Improve performance and efficiency...

At Green Belting Industries, our approach to producing quality performance materials for Food Processing and Packaging operations contemplates the vast range of unique possibilities. These range from routine to complex, small to large, and from harsh to extreme. Our line of **Engineered Materials for Food and Packaging** includes an array of coated glass and aramid fabrics that meet a diverse range of needs, from solid and open mesh belting, to protective tapes for heat-seal elements in packaging equipment. The quality and performance characteristics of Green Belting Industries materials leads to dramatic improvements in process efficiency and productivity while reducing turnaround time. Our 50+ years of industry experience and ever-growing **Knowledge Base** of resources offers tips, techniques, and examples that provide additional support to our customers and end-users.

### Advantages of Green Belting Industries **Engineered Materials for Food and Packaging**

- + Wide range of quality engineered fabrics, tapes, and belting to meet a diverse range of needs
  - + Quality engineering and manufacturing improves end-use performance and process efficiency
  - + Wide range of coatings, substrates, textures, & fabrication options offers greater control over output quality
  - + Green Belting Industries products are engineered for industry-leading durability and re-usability
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- = **Our customers enjoy the advantage of enhanced operational efficiency and low process costs.**



### GREEN BELTING INDUSTRIES

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**Green Belting Industries products are available from our authorized partners:**

As an ISO 9001 Quality Registered Company, our ongoing procedure for quality assurance starts with thorough inspection of all raw materials to ensure compliance with our required specifications. All manufacturing processes are closely monitored, and finished product is tested against our high internal standards and customer specifications. This assures that we always deliver consistently high quality products.

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