



Engineered Release Solutions

For Improved Performance and Process Efficiency

EXCEPTIONAL RELEASE • ABRASION RESISTANCE • COMPRESSION RESISTANCE • SUPERIOR STRENGTH • MULTI-CYCLE USE
RESISTANCE TO EXTREME HEAT • MOULD PROTECTION • FAST TURNAROUND • SURFACE TEXTURE CONTROL



COMPOSITES | LAMINATION | THERMOFORM

Closed Mould • Open Mould • Heated Panel Press • Autoclave
Vacuum Bag • Lamination • Continuous Processing

Engineered Release Solutions

Fabrics | Tapes | Belts

Green Belting Industries manufactures engineered fabrics, tapes, and belts for a wide range of composite, lamination, and thermoform processes.

Non-stick, clean-release surfaces, and resistance to chemical bonding, heat, pressure, and abrasion, leads to enhanced production and cost efficiencies while improving output quality.

Closed Mould / Open Mould

Green Belting Industries peel-ply and mould release materials are used in a wide variety of closed and open mould processes. Materials used include porous, gas-permeable peel-ply, impervious mould release linings and tapes. Benefits range from time-saving, clean-release, to significant cost savings arising from protection of mould released.

Heated Panel Press

Our specially engineered PTFE fabrics and tapes, with silicone or acrylic adhesives, are designed to withstand the demands of a wide range of composite moulding methods, including heated panel press.

Vacuum Bag / Autoclave

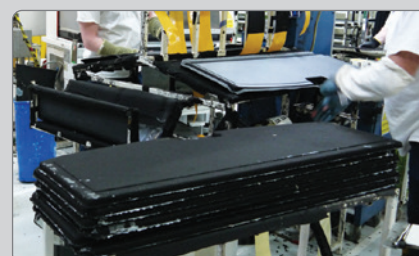
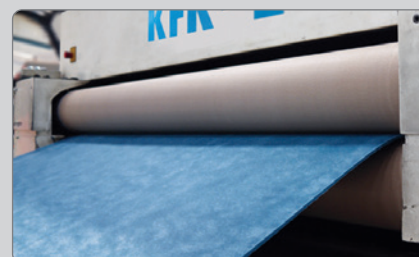
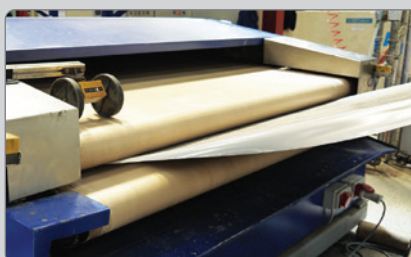
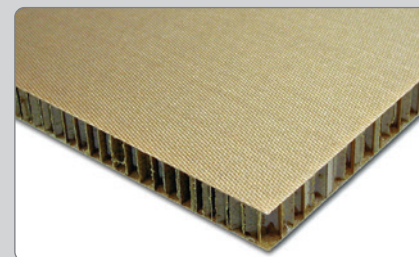
Green Belting Industries porous and non-porous mould release materials serve a variety of functions in vacuum bag and autoclave applications. The range of uses includes peel-ply, release film, breather / bleeder cloth, and sealing tapes, for both small and large moulding applications.

Lamination

PTFE coated belts convey layered components through the lamination process from assembly and preheating, to press-formation. Various belt thickness, surface textures, and belting features are available to suit various machine types, operating temperatures, end-product thicknesses, and desired surface textures.

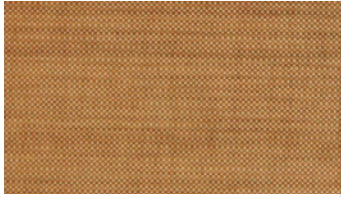
Thermoform

In the production of many interior automotive components, such as door, floor, and headliner mouldings, Green Belting Industries fabrics and tapes are relied upon to provide a clean-releasing, head and pressure-resistant lining to protect heated mould surfaces.



Composite Moulding

Peel Ply



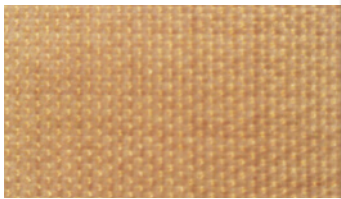
100-3 POR

- Porous / Gas permeable
- Strong for its thickness
- Easy to remove (removes in one piece)
- Uses: single use peel-ply
- Thicknesses: 3*, 5, 8, 10, 22 mil



100-8 SW PR

- High strength
- Textured surface
- Exceptional release
- Uses: multi-cycle peel-ply, thermoform
- Thicknesses: 8*, 10 mil



100-10

- High strength
- Smooth surface
- Exceptional release
- Uses: multi-cycle peel-ply, thermoform, lamination belting
- Thicknesses: 3, 5, 6, 8, 10*, 14, 20 mil

Mould Release



100-3S Mould Release

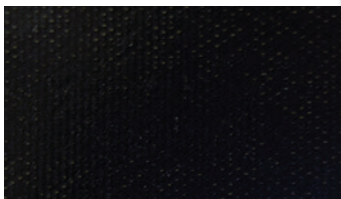
- Silicone or Acrylic adhesive
- Smooth surface
- Conformable
- Good release
- Uses: mould and mandrel release
- Thicknesses: 3*, 5, 6, 8 SW, 10 mil



GR6 Mould Release

- Silicone adhesive
- Very smooth surface
- Exceptional release
- Exceptional abrasion resistance
- High multi-cycle re-usability
- Uses: mould release, mould protection
- Thicknesses: 6* mil

Lamination Belting and Thermoform



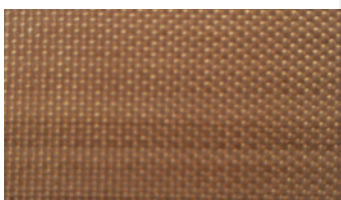
100-10 AS

- High strength / high tear resistance
- Smooth surface
- Good release
- Anti-static, conductive
- Good heat conductivity
- Uses: lamination belting
- Thicknesses: 3, 5, 10*, 14 mil



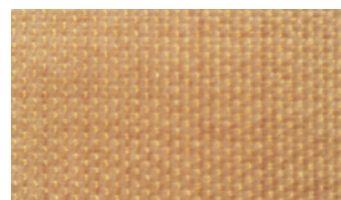
DXL-10

- High strength
- Smooth surface
- High wear / abrasion resistance
- Exceptional release
- Exceptional heat conductivity
- Uses: lamination belting
- Thicknesses: 3, 4, 5, 6, 10*, 12 mil



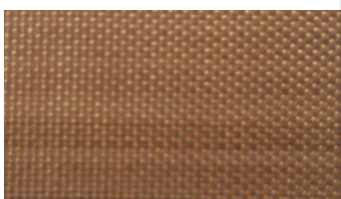
100-12 PR SP

- High strength
- Smooth surface
- Superior release
- Abrasion resistant
- Exceptional heat conductivity
- Uses: lamination belting
- Thicknesses: 12* mil



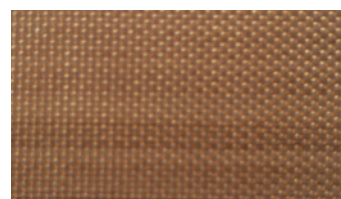
100-14

- High strength
- Textured surface
- Exceptional release
- Good heat conductivity
- Uses: lamination belting, thermoform
- Thicknesses: 3, 5, 6, 8, 10, 14*, 20 mil



100-20 PR

- Very high strength
- Higher rigidity
- Textured surface
- Good release
- Good wear resistance
- Good heat conductivity
- Uses: lamination belting, thermoform
- Thicknesses: 3, 5, 6, 10, 14, 20* mil



100-27 SP50 PR

- Very high strength
- Higher rigidity
- Textured surface
- Good release
- Good wear resistance
- Good heat conductivity
- Uses: heavy lamination belting
- Thicknesses: 27* mil

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.

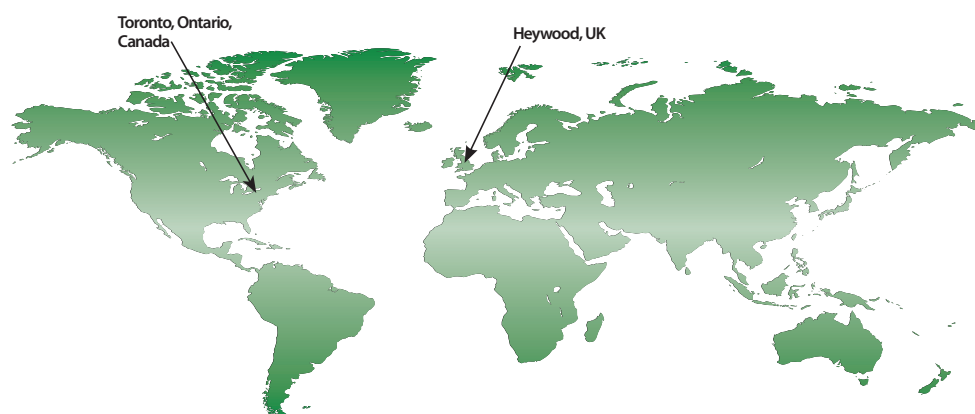
For more information about Green Belting Industries Custom Belt Fabrication, please contact your Green Belting Industries representative or call our customer service department.

Improve performance and efficiency...

At Green Belting Industries, our approach to producing quality performance materials for composite, lamination, and thermoform operations contemplates the vast range of unique possibilities and environments, from routine to complex, small to large, and from harsh to extreme. Our line of **Engineered Release Solutions** includes an array of PTFE coated glass fabrics and tapes that meet a diverse range of peel-ply, belting, and mould release applications. The result is a dramatic increase in performance and process efficiency while reducing turnaround time. Our industry experience, and ever-increasing **Knowledge Base** of resources offers tips, techniques, and examples, provides support to our customers and end-users.

Advantages of Green Belting Industries *Engineered Release Solutions*

- + 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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