

## Open Mesh Belting

**PTFE Coated Open Mesh Fabric** is ideal for fabricating belts used in high temperature applications, typically where air flow is critical for drying or curing various substrates. Taconic's open mesh belts provide high strength and wear resistance in addition to improved air flow to reduce your drying/curing process time.

Description	Mesh Opening Dimensions (mm)	Part Number	Nominal Thickness (mm)	Coated Weight (g/m <sup>2</sup> )	Typical Tensile Strength Warp (N/5cm)	Standard Widths (mm)
Small Open Mesh	1x1	7195 Porous	0.640	520	2700	1000, 1500, 3200
	2x2	7255	0.740	445	1800	3200
	2x2	7255AS	0.740	445	1500	2800
Standard Open Mesh	4x4	7305	1.000	460	2200	2700, 3200, 3700
	4x4	7305AS	1.000	460	1600	3200
Kevlar® Open Mesh	4x4	7305K	0.770	310	3500	2600
	4x4	7305KG	1.150	644	5000	3600
	4x2	7305KG (4x2mm)	1.000	400	4500	1050
	1x1	7195K	0.630	380	4500	2300
H <sub>2</sub> O Resistant Coated Open Mesh	2.5x2.5	7355	1.000	625	2200	1200
Double Fill Yarn Weave	4x4	7305DF ST	1.100	630	2500	3400
	7x7	7405DF	1.200	600	2300	3400
Textured Open Mesh	5x4	7305-BK-HW	1.100	550	2200	2000

The data herein are averages based on the authoritative testing of several lot numbers. This information is intended for comparison purposes only. Maximum continuous operating temperature is 260 °C for all open mesh belts not including Kevlar® (180 °C).

### Features:

- Excellent nonstick surface
- Allows outgassing of volatile products
- Promotes drying
- Temperature resistant to 260 °C (Kevlar® - 180 °C)
- Durable/Dimensionally Stable
- UV Resistant (Black products)

### Applications:

- Curing and bonding inks, pigments and powders to fabrics & non-woven materials
- Screen Printing
- Packaging
- Textile
- Nonwoven heat setting
- Can drying

***Non-standard belt sizes are available. Please contact your sales representative for more information.***



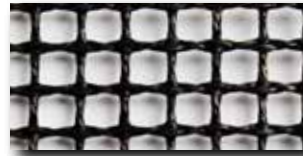
## Mesh Openings:



Small Open Mesh (1x1) Glass



Small Open Mesh (2x2)



Standard Open Mesh (4x4)



Standard Open Mesh - Brown (4x4)



Large Open Mesh (7x7)



4x2 Open Mesh



Kevlar® Open Mesh (1x1)



Kevlar® Open Mesh



Kevlar® Glass Open Mesh



Double Fill Yarn Weave



H<sub>2</sub>O Resistant Coated Mesh



Textured Open Mesh

**Splice Options:** Taconic offers metallic, non-metallic, endless and open splices to accommodate your unique requirements.

**Non-Metallic Splices** When metal lacing cannot be used, a fabric notched splice, peek lacing, self loop or smart loop splice offers durability and flexibility. A smart loop splice or peek lacing is recommended when maximum airflow is needed.



Smart Loop Splice



Castellated Splice



Peek Lacing Splice

**Metallic Splices** Alligator and clipper splices are the most durable and easy to use. Belts can be installed without taking machinery apart and a cover-flap can be added to these splices to reduce mark-off and heat transfer to your material.



Alligator Splice

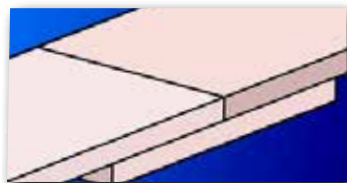


Clipper Splice



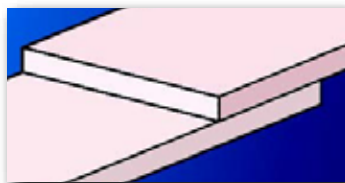
Low Profile Clipper Splice

## Endless Splices



Butt Splice

Material ends are butted together and reinforced with a durable backing strip that provides a smooth working surface.



Overlap Splice

Material ends are cut straight or diagonally, overlapped and heat sealed, providing a very durable seam.

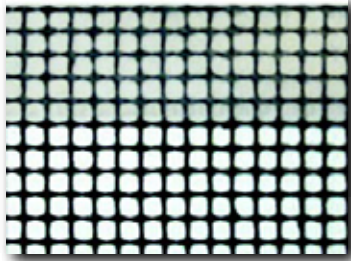


Scarfed Splice

Belt ends are tapered to minimize thickness at the splice area, overlapped and heat sealed.

**Edge Reinforcements:** Taconic belts can be supplied with strips of heat-sealed film or fabric on one or both edges of your belt. This reinforcement serves a dual purpose: it reduces fraying of belt edges which rub on guiding rollers and it also provides the strongest possible anchor for guiding studs, eyelets & Kevlar guides. Edge reinforcement is required for belts with studs or eyelets and for open mesh belts. After heat sealing, fabric edge strips can also be sewn for additional strength.

### Heat Sealed PTFE Film



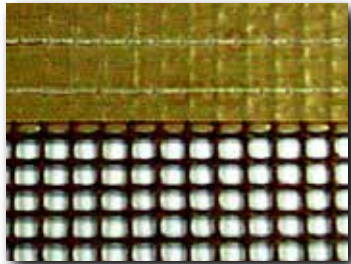
PTFE film strips are encapsulated and heat sealed onto the edges of the belt with either 25mm or 50mm on both top & bottom. This PTFE edge is available as a clear or black film.

### Heat Sealed Fabric Edge

0,15mm thick PTFE coated glass fabric is encapsulated, and heat sealed onto the edges of the belt with either 25mm or 50mm on both top & bottom. Fabric edges are available either brown/tan or black.

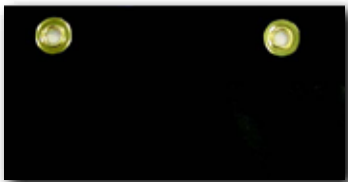


### Fabric Edge, Sewn & Sealed



For extra reinforcement, our 0,15mm thick heat-sealed fabric edge can also be sewn if desired. This reinforcement is commonly used on open mesh belting.

**Tracking & Guiding:** Taconic offers a variety of options to guide belts on your machine. These devices can be placed on one or both edges of your belts.



### Eyelets

Nickel plated brass eyelets are offered in various sizes



### Guide Studs

Nickel Brass studs are available in various sizes



### Kevlar® Guide Cord

4x4mm wide woven Kevlar® reinforced guide cord

# With facilities around the world, we've got you covered.



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Lester T. Russell, the acknowledged inventor of the process for applying PTFE to fiberglass fabric, founded Taconic in 1961.

The company produces advanced engineered composite materials for use in diverse markets. Taconic is dedicated to quality, innovation and environmental safety.

Our talented R & D, engineering and multi-lingual sales support network assures success in solving our customers' application challenges around the globe.

**60**  
YEARS of  
innovation



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