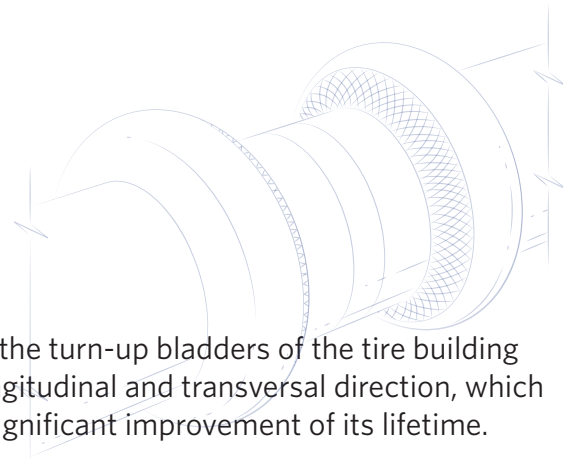


Milliken®

# Process Aids

## Bladder Fabrics



Milliken Bi-Elastic Bladder fabric is commonly applied to reinforce the turn-up bladders of the tire building machine. The fabric has excellent elongation properties in both longitudinal and transversal direction, which allow a very smooth 'deformation' of the bladder together with a significant improvement of its lifetime.

Milliken's Bi-Elastic Bladder fabric is standard RFL treated in order to guarantee a good adhesion to the bladder rubber after vulcanization. The same RFL finish also guarantees the good release properties against the unvulcanized rubber of the green tire.

In order to improve its process ability and to simplify the assembly of the bladder, Milliken's bi-elastic bladder fabric can also be single sided tackified.



## Bi-Elastic Bladder Products

### Style 2700

Turn-up bladders for PCR and light truck tires

### Style 2732

Turn-up bladders for heavy duty applications

### Style 2740


Manchons and elastic hose reinforcements

## Benefits

- Increases bladder lifetime up to 30.000 cycles
- Increases tire production per building machine due to shorter cycle time
- Material can be slit according to customers' requirements
- Fabric is RFL treated to ensure superior adhesion to the bladder
- The bi-elastic bladder fabric is also available in a single sided tackified version for easier bladder assembly

The Milliken logo, featuring the brand name in a stylized, cursive script font.

# Bladder Fabric Product Overview



Style	2700	2732	2740
	RFL-Treated		
Weight	220 g/m <sup>2</sup>	420 g/m <sup>2</sup>	320 g/m <sup>2</sup>
Gauge	0,66 mm	0,84 mm	0,69 mm
Length	100 m	100 m	100 m
width	up to 140 cm	up to 140 cm	up to 200 cm
Elongation @ break	Up to 325% in Warp and up to 235% in Weft		
Edges	Cold Slit		
	RFL- and Tackified Treated		
Weight	290 g/m <sup>2</sup>	490 g/m <sup>2</sup>	n/a
Gauge	0,72 mm	0,90 mm	n/a
Length	50 m	50 m	n/a
Width	up to 140 cm	up to 140 cm	n/a
Elongation @ break	Up to 325% in Warp and up to 235% in Weft		n/a
Edges	Cold Slit		n/a

## Europe

Milliken Europe BVBA  
Ham 24  
9000 Ghent  
Belgium  
Tel: (+32) 9 265 1071  
email: trgeurope@milliken.com

## Asia

Milliken Asia Private Ltd.  
438B Alexandra Road#08-04  
Alexandra Techno Park Blk B  
Singapore 119968  
Tel: (+65) 65 931 335  
email: trgasia@milliken.com

## USA

Milliken & Company  
P.O. Box 2956  
Brownwood Ave.  
LaGrange, GA 30241 USA  
Tel: (+01) 706 302 0930  
email: trgamericas@milliken.com

[www.milliken.com](http://www.milliken.com)

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