

### Belting from Biscor



**B**iscor belts are constructed from a variety of high performance coated materials which are custom fabricated to meet the exacting needs of a wide variety of industries and their associated applications.

Assuring our customers of the highest in quality and service, Biscor's experienced sales and technical staff will ensure that you receive the most appropriate belt, splice and edging for your specific application.

### Teflon® (PTFE) coated belt fabrics

- High (extremely smooth)
- Low (mirroring the base fabric surface)
- Porous (for gas and liquid flow)
- Mesh ( for high gas and liquid flow)
- Conductive (anti-static and added heat transfer)
- Two-ply (even thickness throughout - no double thickness at the splice).

### Silicone coated belt fabrics

- Light (assisting heat transfer)
- Heavy (for added wear resistance)
- Differential (for special applications)
- Thermo-conductive
- Dry or tacky surface
- Two-ply (even thickness throughout - no double thickness at the splice).

Exceptional release properties and dimensional stability at temperature extremes, as well as chemical resistance and controlled permeability are typical features of Biscor's belting products.

Biscor will work with you to develop belting that will provide the best performance and lowest life cycle costs for your specific applications.

**T**he porous open mesh belting used in hot air jet drying is significantly less expensive than ovens and dryers with heavy metal belts which are extremely costly to run, replace and repair.

Your Biscor belt can be used in all types of heated environments, with Teflon® coated glass fibre belts working from -73°C (-100°F) to +260°C (+500°F) and resistant to: – see data tables on reverse.

- Hot air
- Infra red
- Ultra violet
- Microwave
- Radio frequency Teflon® is a registered trademark of DuPont™.



## BELTING FROM BISCOR

### Bisca-Tex

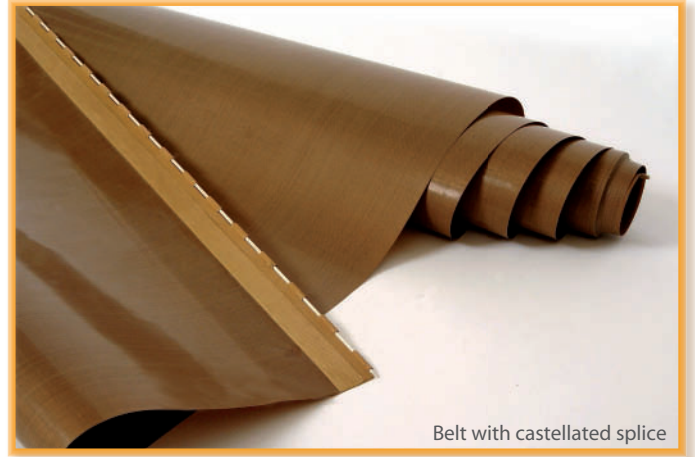
The Bisca-Tex fabric is Teflon® coated glass or Kevlar® and is used to fabricate belts up to 5000mm wide in any length and available in a variety of thickness and coated weights. Bisca-Tex belting has many applications where a superior non-stick surface is essential, operating in temperatures from -190°C to +260°C. Some of the typical conveyor applications include:

- Cooking and food processing
- Tortilla presses
- Release belts for sealing of the side and base of plastic wrapped packaging
- Release belts for shrink-wrap ovens
- Rubber profile extrusion
- Rotary band sealers
- Curing rubber underlay for the carpet industry

### Bisca-Tex Open Mesh

This open mesh Teflon® impregnated fibreglass and Kevlar® belting is available in brown or with a black U.V. block coating in widths up to 5000mm and any length. The fluorocarbon resins used in the curing process are chemically inert and the woven substrate provides exceptional strength and dimensional stability. Its non-stick surface, operating temperature range of from -190°C to +260°C and the 70% open area makes this belting the perfect solution for many drying applications such as:

- Screen print dryers
- Drying textiles
- Resoldering and ink drying cable braiding
- Print dryer belts for T-shirts / paper/ card / metal / wood / glass / plastic parts
- Feed and take-off belts (polyester)
- Belts for drying ink & solder on printed circuit boards



### Bisca-Fuse

The Bisca-Fuse fabric is widely used in plastic welding and lamination operations. The Bisca-Fuse belts are anti-static to reduce the build up of static electricity and to ensure the garments are crumple-free.

- Belts for thermal bonding of non-woven fibres
- Process belts for thermal bonding of fusible inter linings.
- Shirt collars / suit linings / transfers
- Automotive upholstery lamination

### Bisca-Sil

Fabricated out of silicone and glass fabric this belting is available in white, red or blue – coated on one or both sides, in widths up to 1500mm and any length. It provides excellent release properties, wear and flexing resistance and high chemical resistance. The operating temperature range is from -115°C to +260°C. The non-toxic, tasteless and odourless qualities of the coating make it appropriate for the use in food handling operations as well as other applications such as:

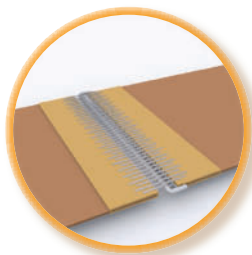
- Belts and curtains in shrink tunnels
- Quick freeze chambers
- High-temperature process conveyors

## Splices, guides and edge reinforcements

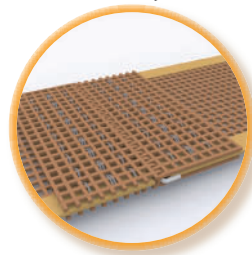
To assure the best performance for your application, we can recommend the appropriate splice. Biscor fabricates all belts in-house and on site fitting is also available on request.

### Splices

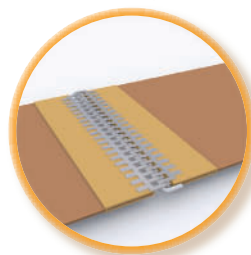
Clipper style



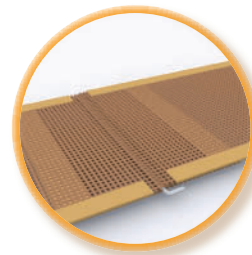
Bullnose style



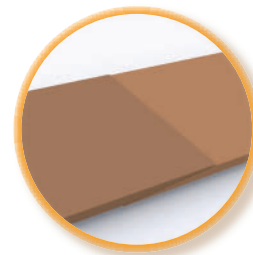
Alligator style



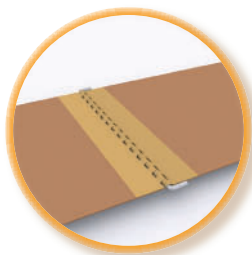
Spiral



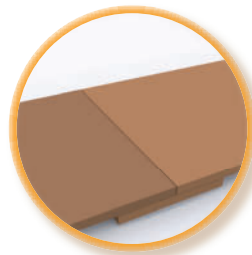
Scarfed



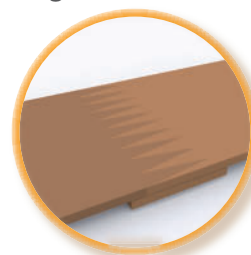
Castellated



Butt



Finger



Spade



Cover flap

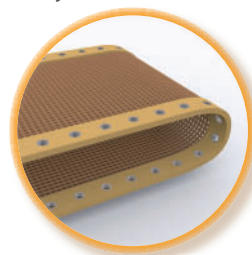


Each splice shown above is available in many different formats. There are different sizes of reinforced area, length of metal fastener and variation of join. To discuss the most suitable splice for your belt, please consult a Biscor representative.

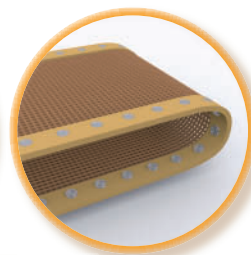
### Tracking

A variety of tracking guides are available, please consult with a member of Biscor's technical sales team to ensure the chosen tracking aid best suits your application.

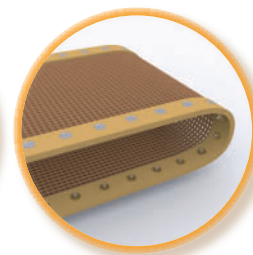
Eyes



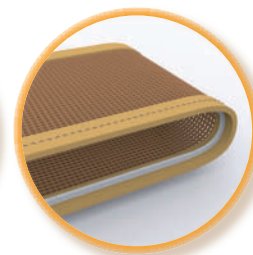
Studs



Dots

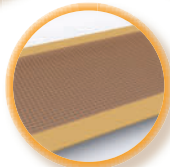


Cord

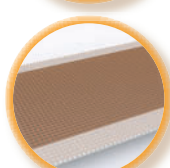


### Edge reinforcements

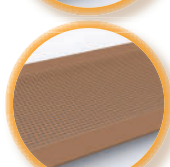
Edging – Teflon® coated Kevlar®



Edging – Teflon® film



Edging – Teflon® coated glass



The inclusion of a reinforced edge provides additional support for guides and tracking aids as well as protecting the belt and improving longevity. Edge reinforcement is recommended for various applications, please discuss your requirements with a technical advisor.

**T**eflon® is a licensed brand name which is granted by DuPont™, it has unique non-stick properties and a resistance to extreme temperatures. It is also infra-red, ultra-violet and microwave safe, so is suitable for many different applications in an extensive range of industries.

**K**evlar® is a high flex resistant product which will cope in various aggressive and extreme environments. Kevlar® serves as an excellent substrate for PTFE (Teflon®) because of its ability to operate in areas where high temperature steam and water would normally cause glass fabrics to deteriorate over time.

## BELTING FROM BISCOR

Below are a variety of products with associated summary data regarding their properties. You should discuss the requirements for your specific application with our sales team as we are able to provide non-stock, bespoke products and services. We provide a 24 hour call out service to our customers as well as advice and guidance every step of the way.

### Product range

PTFE COATED GLASS - RELEASE FABRICS				
Grade	Thickness (mm)	Coated Weight (g/M2)	Coating %	Max. Width (mm/inch)
Bisca-Pak 3	0.080	150	67	1525 / 60
Bisca-Pak 5	0.109	240	56	1525 / 60
Bisca-Pak 5 Blue	0.109	240	56	1525 / 60
Bisca-Pak 6	0.118	260	59	1525 / 60
Bisca-Weld 6	0.129	280	62	1525 / 60
Goldweld	0.140	350	69	1525 / 60
Bisca-Pak 10	0.209	440	53	1525 / 60
Bisca-Pak 14	0.276	560	45	1525 / 60
PTFE COATED GLASS FABRIC - POROUS FABRICS				
Grade	Thickness (mm)	Coated Weight (g/M2)	Coating %	Max. Width (mm/inch)
Bisca-Tex 07-070	0.070	70	30	1525 / 60
Bisca-Tex 12-200	0.120	200	45	2000 / 79
Bisca-Tex 20-255	0.200	260	21	2000 / 79
Bisca-Tex 34-400	0.340	400	25	2000 / 79
PTFE COATED GLASS - BELTING FABRICS				
Grade	Thickness (mm)	Coated Weight (g/M2)	Coating %	Max. Width (mm/inch)
Bisca-Tex 08-150	0.080	150	67	1525 / 60
Bisca-Tex 13-260	0.130	260	58	2000 / 79
Bisca-Tex 15-300	0.150	300	64	2000 / 79
Bisca-Tex 25-500	0.230	500	61	2000 / 79
Bisca-Tex 26-530	0.260	530	62	2000 / 79
Bisca-Tex 36-600	0.360	600	51	2000 / 79
Bisca-Tex 48-750	0.480	750	44	2000 / 79
Bisca-Tex 84-1099	0.690	1099	45	2500 / 98
Bisca-Tex 180-1875	1.800	1875	52	1000 / 39

PTFE COATED GLASS - FOOD PROCESSING				
Grade	Thickness (mm)	Coated Weight (g/M2)	Coating %	Max. Width (mm/inch)
Bisca-Bake 3	0.080	150	67	1525 / 60
Bisca-Bake 3 (silver)	0.080	150	67	1525 / 60
Bisca-Bake 10 (copper)	0.250	525	62	2000 / 79
Bisca-Fry 6 (silver)	0.180	380	72	1525 / 60
Bisca-Fry 10 (silver) 28-580	0.270	580	64	2000 / 79
PTFE COATED GLASS FABRIC - CONDUCTIVE				
Grade	Thickness (mm)	Coated Weight (g/M2)	Coating %	Max. Width (mm/inch)
Bisca-Fuse 3 (08-150C)	0.080	150	67	1525 / 60
Bisca-Fuse 5 (13-260C)	0.130	260	58	2000 / 79
Bisca-Fuse 6 (15-300C)	0.150	300	64	2000 / 79
Bisca-Fuse 10 (25-510C)	0.240	510	60	2000 / 79
Bisca-Fuse 14 (37-700C)	0.340	700	58	2000 / 79
Bisca-Fuse 25 (84-1099C)	0.690	1099	43	2500 / 98
PTFE COATED KEVLAR® - ARAMID FABRICS				
Grade	Thickness (mm)	Coated Weight (g/M2)	Coating %	Max. Width (mm/inch)
Bisca-Tex K11-200	0.100	230	73	1000 / 39
Bisca-Tex K16-230	0.160	230	73	1000 / 39
Bisca-Tex K50-600	0.400	600	53	1525 / 60
PTFE COATED KEVLAR® - MESH FABRIC				
Grade	Thickness (mm)	Coated Weight (g/M2)	Coating %	Max. Width (mm/inch)
Bisca-Tex K76-250 -4x4mm	0.760	250	36	2650 / 104
Bisca-Tex K76-250C -4x4mm	0.760	250	36	2650 / 104
PTFE COATED GLASS - MESH FABRIC				
Grade	Thickness (mm)	Coated Weight (g/M2)	Coating %	Max. Width (mm/inch)
Bisca-Tex 64-515 -1x1mm	0.640	515	18	1525 / 60
Bisca-Tex 65-500 - 2x2mm	0.700	450	25	3000 / 118
Bisca-Tex 80-950 -2x2mm	0.800	950	30	2000 / 79
Bisca-Tex 76-470 - 4x4mm	0.760	470	33	4800 / 189
Bisca-Tex 76-470 Blue - 4x4mm	0.760	470	33	4800 / 189

Values shown are typical and are subject to change without notice. Before using, the user should determine the suitability of the product for its intended use and assumes all risk and liability in connection therewith. Specifications are subject to change without notice. Weight tolerance g/m2 + or - 5% variation. Teflon® content + or - 2% variation.

To find out more, please contact our sales team to find out more about our Teflon® coated fabrics. We are happy to send samples of our materials or visit you at your offices or factory to discuss how Biscor's products can best suit your application or purpose. We have many stock fabrics, tapes and belts, but we also pride ourselves in our bespoke products.

Important note: All statements, technical data and information in Biscor Ltd literature and on the company websites are not binding and were correct and up to date at the time of publication. Modifications and adaptations to comply with changing guidelines and standards can be made without notice. Product properties and characteristics are dependent upon the environment and application in which the product is used. The user shall determine the suitability of the product for their particular purpose and shall assume all risk liability in connection therewith.