

Silicone rubber coated fabrics



Biscor has over 25 years experience of supplying high quality silicone rubber coated glass fabric to a wide variety of industries and markets. Silicone rubber has FDA food clearance for food processing and handling. As a market leader in this sector, Biscor have developed the necessary experience and expertise to ensure that the product and service received by our customers is second to none.

If your machinery or industry requires silicone rubber coated products that must operate cleanly and economically in extreme environments, then you need Biscor silicone coated fabrics.

Our Bisca-Sil range offers you:

- products with a high silicone content that last longer and are easier to clean
- exceptional release properties and dimensional stability at temperature extremes.
- chemical resistance and controlled permeability
- bespoke and standard products.

Silicone rubber has similar properties to Teflon[®], some cohesive materials release more easily from silicone rubber than from Teflon[®].

Biscor will manufacture a silicone rubber belt to your specification, below are some of the belting options fabricated to provide best performance:

- 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).

The outstanding properties of silicone rubber are:

- Extreme heat and cold resistance (-115°C to +230°C)
- High release from sticky materials (non-stick)
- Easy cleaning
- Resistance to many common chemicals
- Mildew and fungus resistance
- Outstanding electrical insulation
- FDA clearance for food processing and handling
- Excellent release properties.

Biscor silicone coated fabrics have a wide range of industrial uses, some of the more common uses are listed as follows:

Applications:

- food processing
- electrical insulation tapes
- gaskets
- heater coverings
- safety curtains
- process conveyor belts in industrial applications
- shrink tunnels
- release and separator sheeting for viscous processes and products in chemical, rubber, plastic, pharmaceutical, electrical and aerospace industries.

Below are a variety of products with associated summary data regarding their properties. You should discuss the requirements for you specific application or purpose with our sales team as we are able to provide non-stock, bespoke products and services.

For more detailed product information, please consult our sales team or email us on info@biscor.com.



Product range

SILICONE RUBBER COATED FABRICS

Grade	Thickness (mm)	Coated weight g/m2	Coating	Maximum width (mm/inch)
Bisca-Sil 7W / R	0.210	300	60	1525 / 60
Bisca-Sil 10W / R	0.360	390	48	1525 / 60
Bisca-Sil 15W / R	0.380	510	42	1525 / 60
Bisca-Sil 20W / R	0.480	690	40	1525 / 60
Bisca-Sil 25W / R	0.550	760	45	1525 / 60
S293-1400	0.950	1345	40	1525 / 60

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 silicone rubber 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.