

SILICONE COATED FABRICS

The Silicone Coated Fabric Series is the most conformable, flexible, trackable, and wear resistant product line offered by Innotec of WI, Inc. This series is made from woven fiberglass substrates that have been coated on one or both sides with silicone rubber. These fabrics provide a higher friction surface with different release qualities than PTFE coated fabrics. In fact, some products that may adhere to PTFE coated fabrics may not adhere to silicone coated surfaces. Available in multiple colors and with multiple plies, (up to three), these fabrics are used in applications where a surface grip with excellent release is desired.

Silicone Coated Fabric Characteristics

Silicone Coated Fabrics are engineered to retain the distinctive properties of silicone, but by adding a glass fabric to the matrix, Innotec of WI, Inc. is able to obtain the added benefits of dimensional stability, durability, excellent tensile strength and low elongation. These Fabrics have received USDA approval for food processing and handling, and are FDA compliant (21 CFR177.2600). In addition, they can operate in temperatures from -100°F to 500°F (-73°C to 302°C).

Typical Applications

Packaging:

- Shrink tunnel curtains

Food:

- Tray liners
- Cooking wheels
- Manufacturing of flavorants

Aerospace, Communications & Military:

- Tank seals and containment barriers
- Gaskets, membranes, seals and diaphragms
- Protective curtains and aprons

Other Applications:

- Insulation and protection
- Release sheets/separation materials
- Expansion joints

Additional applications exist. Contact Innotec of WI, Inc. for more specific information.

Styles Available

Product ID	Color	Plies	Friction Surface	Nominal Thickness	Weight (lbs./sq. yd.)	Tensile Warp* (lbs/sq in)	Tensile Fill* (lbs/sq in)	Full Widths (inches)
07R	Red	1	N	.007"	0.51	125	140	38*
10R	Red	1	N	.010"	0.62	125	140	38*
15R	Red	1	N	.015"	0.87	250	200	38
18R	Red	1	N	.018"	1.05	525	375	38*
20R	Red	1	Y	.020"	1.15	525	375	50
25R	Red	1	N	.025"	1.44	525	375	38*, 50
42R	Red	2	Y	.042"	2.05	525	375	40*, 50
62R	Red	3	Y	.060"	3.07	525	375	50
10W	White	1	N	.010"	0.62	125	140	38*
15W	White	1	N	.015"	0.87	250	200	38
18W	White	1	N	.018"	1.05	525	375	38*

20W	White	1	Y	.020"	1.15	525	375	50
25W	White	1	N	.025"	1.44	525	375	38*, 50
42W	White	2	Y	.042"	2.05	525	375	40*, 50*
62W	White	3	Y	.060"	3.07	525	375	50*
25B	Black	1	N	.025"	1.44	525	375	38*, 50*
42B	Black	2	Y	.042"	2.05	525	375	50*
25G	Gray	1	N	.025"	1.44	525	375	38*, 50*

*Although material width is standard, additional lead-time may be required. Please note: Additional thicknesses, styles and widths available upon special request. Other colors are available in above styles. Consult factory.

Disclaimer: The above tensile values are from Table 6 of Specification D579 and actual tensile values will vary. Innotec of WI, Inc. tests tensile strength to ASTM D828 and actual tensile values will be provided upon request.