



Innovations in Fluid Sealing

## TECHNICAL DATA SHEET

### INMARCO STYLE 142

#### **Description:**

**STYLE 142** is woven from 96% SiO<sub>2</sub> silica fibers. These fabrics are time tested and proven to perform in extreme heat condition. These are highly resistant to corrosion and chemical attack. Excellent thermal insulation and electrical resistance capabilities. Silica fabrics are resistant to temperature of 1000°C and resist up to 1400°C for a short period of time. Silica fabrics can be a protection device in case of a fire. These fabrics have low thermal conductivity, high resistance to thermal shock and inert to chemical reagents, resistance to organic and chemical acids in any concentration even at high temperatures except hydrofluoric, phosphoric and hydrochloric acid.

#### **Operational Parameters:**

Properties	Unit	Unit			
		Style 142 (600S)	Style 142 (600V)	Style 142 (1000S)	Style 142 (1000V)
Composition – SiO <sub>2</sub>	%	94-96	94-96	94-96	94-96
Temperature	°C	1200	1200	1200	1200
Loss on Ignition	%	7-12	7-12	7-12	7-12
Melting Point	g/m <sup>2</sup>	1600	1600	1600	1600
Surface Density	mm	580±60	630±60	1100±100	1200±150
Thickness	mm	0.6	0.6	1.1	1.1
Length	Yards	50	50	50	50
Weave	Satin	8/3 Satin	8/3 Satin	12/5 Satin	12/5 Satin
Tensile Strength (N-warp)	Kgf	1078 (110)	1274 (130)	1764 (180)	1764 (180)
Tensile Strength (N-weft)	Kgf	784 (80)	980 (100)	1372 (140)	1372 (140)
Width	cm	94-200	94-200	94-200	94-200
Coating		Vermiculite 2 side			Vermiculite 2 side
Colour		Off-white	Tan	Off-white	Tan

#### **Advantages:**

- ❖ Low halogen and soluble chlorides.
- ❖ Does not contain asbestos or ceramic.
- ❖ Safe, suitable for ceramic refractory applications.

#### **Typical Applications:**

Molten metal splash, Valve Covers, Welding blankets & curtains. Insulation of furnaces, Thermal and Fire protection in machine, Building, Shipbuilding and Aviation. Stree remover in pipe welding. Insulation for turbines and insualtion of mufflers in automotive. Fire resistant doors and firemen protection.

#### **Note:**

- ❖ Custom widths and thickness possible, please contact our technical team for your requirements.
- ❖ This silica fabric can be treated with different coatings or finishes to precisely meet customer specification.

All information and recommendations given in this technical data sheet are correct to the best of our knowledge. However, in view of the wide variety of application and operating conditions one cannot draw the final conclusion in all application cases regarding the behavior of compounds. The above information can only serve as a guideline.

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