

# PDS

PRODUCT DATA SHEET

# ST-900



## Features and Benefits



ST-900 is a high-performance silica fabric for use with molten metal splashes and other high temperature yet sensitive environments. Silica's ability to withstand continuous molten liquid metal makes it ideal as a welding screen to protect personnel and delicate equipment in the proximity of such high temperature exposure. Flexible and lightweight, ST900 wraps easily around corners and uneven surfaces to provide secure insulation from molten sparks and excess heat. Made mainly (98.5%) of high melting point silica compounds ( $\text{SiO}_2$ -1600°C) The 900 series is highly resistant to various corrosive acids. Natural properties together with a tight

The special weaving pattern allows the ST 900 series coefficient thermal expansion. It is thus able to survive sudden changes in temperature without decline, This significantly increases its value in hot works areas. ST-900 Series is used widely in many industries that include Petrochemical, Oil, Gas and Shipyard Construction where space limitations in welding environments makes safety a very important factor.

ST-900 has a continuous temperature resistance of 1100 degrees Celsius and can provide effective resistance to 1600 degrees Celsius for intermittent molten sparks. The fabrics density also makes it light and flexible without losing tensile strength, ideal for protecting irregular surfaces from heavy molten metals.

## Technical Information

DESCRIPTION	SPECIFICATION
CLOTH CONSTRUCTION	17 x 14.57
TEMPERATURE EXPOSURE	1100 CONTINUOUS
SHORT TERM EXPOSURE	1600 DEGREES CELSIUS
DENSITY	650 GRAMS/METER SQUARE
THICKNESS	0.9MM
WIDTH	0.914M
WEAVE	SATIN
COLOUR	GOLD / BROWN
FINISH	HEAT AND ACID TREATED
LENGTH/ROLL	50M
WEFT YARN	TEX EC9 33 4 X 2
WARP YARN	TEX EC9 33 4 X 2



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