

Product Introduction

W4 Silica Cloth is a high silica content ($\geq 98\%$) fabric that is engineered to withstand welding sparks and light molten metal splatter while protecting personnel and equipment. The superior strength, weave construction, and high melting point 3000°F (1649°C) of W4 makes this fabric ideal for light welding and spark protection during hot work operations. W4 Silica Cloth can be used for fabricating all types of welding curtains, blankets, or pads. Fabric properties will be maintained at intermittent temperatures up to 1800°F (982°C). W4 Silica Cloth is used extensively in the Power Generation (Nuclear Approved), Refinery, Shipbuilding, Ship Repair and Metal Processing Industries.

Product Description

All W4 Woven Silica Cloth products are manufactured to meet ISO 9002 standards. Because these products are highly engineered, the right combination of fabric weight, thickness and construction meets most customers' requirements in selecting the proper fabric for a particular application.

Packaging

W4 Woven Silica Cloth is wound into a roll on a cardboard inner tube with an inside diameter of 76mm (3"). Each roll is wrapped with transparent film and placed in a cardboard box. 15 or 28 boxes are placed horizontally on a pallet, which is stretch wrapped.

Storage

Unless otherwise specified, it is recommended to store silica cloth products in a cool, dry area. Temperature should not exceed 35°C (95°F) and the relative humidity should be kept below 75%. Silica cloth product must remain in packaging material until just prior to their use. If these conditions are respected, the products should not undergo significant changes when stored for extended periods of time.

Stacking

To ensure safety and avoid damage to the product, skids should not be stacked.

Features	Customer Benefits
Fireproof	Protects against hot work fires.
Excellent retained strength at temperatures up to 1800°F (982°C)	Extremely suitable for engineered thermal insulation system.
Resists penetration of weld "slag" and passes welding "burn through" test	Protects equipment and personnel in the toughest welding applications.
Easily sewn and fabricated	Wide product variety (blankets, curtains, mats)

Product Data

Table 1:

Style	Nominal Weight (g/m ² , OZ/yd ²)	Weight Range (g/m ² , OZ/yd ²)	Counts (end/inch)		Loss of Ignition (%)	Weave
			Warp	Weft		
W4-190	650/19.2	594/17.5 – 666/19.6	48.3-53.4	31.7-35.6	7 - 14	Satin 8/3
W4-360	1200/35.4	1200/35.4 – 1350/39.8	40.6-45.7	25.4-29.2	7 - 14	Satin 12/7

Style	Tensile Strength (N/25 mm)		Thickness (mm)	Na ₂ O Content (%)	SiO ₂ Content (%)	Width (cm)
	Warp	Weft				
W4-190	≥1100	≥ 800	~ 0.64	≤ 0.7	≥ 98	93.5 ± 2
W4-360	≥2200	≥ 1800	~ 1.2	≤ 0.7	≥ 98	93.5 ± 2

Table 2:

Style	Length/roll (m/Yard)	Width (mm/inch)	Thickness (mm/inch)	Weight (kg/lb)	Carton Size (inch)
W4-190-37	45.7/50	935/37	0.64/0.025	27.8/61	43.3 x 10 x 10
	50/54.7	935/37		30.4/67	43.3 x 10 x 10
W4-360-37	45.7/50	935/37	1.2/0.047	51.3/113	43.3 x 14 x 14
	50/54.7	935/37		56.1/124	43.3 x 14 x 14

Disclaimer of Liability

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