

Kao-Tex™ Textile 1800, 1900 Cloth



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SDS Code US: 208

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Features

- Superior strength and flexibility
- Excellent fabrication and handling properties

Applications

- Welding, Fire, Oven and Drop curtains
- Stress Relieving blankets
- Fire and Heat barriers
- Removable Insulation
- Lagging
- Fabric Expansion joints
- Gasketing and Sealing
- Gloves and Mittens

Product Description

Kao-Tex Textile 1800 Cloth is a flexible, high-silica fabric with outstanding thermal insulation characteristics. Kao-Tex Textile 1800 Cloth is 96% SiO₂ fabric manufactured by an acid-leaching process. The cloth is totally inorganic and does not smoke when exposed to heat.

Kao-Tex Textile 1900 Cloth is specially processed silica fabric. This textile has unique properties of higher strength retention and maintained flexibility after exposure for long periods to temperatures as high as 1900°F (1038°C).

Kao-Tex 1900 is available in standard grade with a hydrocarbon coating to improve handling and abrasion properties. Coatings of silicone, neoprene, and aluminization can be applied.

Availability

	Weight, oz/yd ²	Thickness, in	Roll Width, in	Roll Length, yds.
A-54	36	0.054	36	50
B 30	18	0.030	36	50
B30 HT	19	0.030	36	40
A45 HT	32	0.045	36	50

Kao-Tex™ Textile 1800, 1900 Cloth



Physical Properties	Kao-Tex 1800		Kao-Tex 1900	
	A-54	B-30	B-30	A-45
Color	tan	tan	HT	HT
Continuous use limit, up to °F (°C)				
	1800	1800	1900	1900
	(538)	(538)	(1038)	(1038)
Melting point, °F (°C)	3000	3000	3000	3000
	(1649)	(1649)	(1649)	(1649)
Residual shrinkage, %	10	10	4	4
Chemical Analysis				
Alumina, Al ₂ O ₃	0.071	0.071	-	-
Silica, SiO ₂	97.85	97.85	97.85	97.85
Boron oxide, B ₂ O ₃	0.016	0.016	0.016	0.016
Calcium oxide, CaO	0.023	0.023	0.023	0.023
Magnesium oxide, MgO	0.017	0.017	0.017	0.017
Titanium oxide, TiO ₂	-	-	0.80	0.80
Aluminum oxide, AlO ₂	-	-	0.71	0.71
Other	-	-	<1	<1