

## Kao-Tex™ Textile 1000 Tapes, Ropes, Tubing



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### Product Description

Kao-Tex Textile 1000 Tapes and Ropes are woven from a highly textured continuous filament yarn. The Kao-Tex Textile 1000 Tapes and Ropes are especially designed and developed for temperatures up to 1000°F (538°C).

Kao-Tex Textile 1000 Tapes are ideal for high temperature, low pressure gasketing and sealing applications.

- Tadpole Tapes
- Bolt Hole Tapes
- Woven Tapes

Kao-Tex Textile 1000 Ropes are used in high temperature sealing and packing applications such as those involving hot air, steam or gases.

- Braided Rope
- Twisted Rope

Kao-Tex Textile 1000 Tubing is ideal in high temperature applications to protect hydraulic or electrical lines, and as cable and wire insulation.

### Features

- Excellent fabrication and handling properties
- Conformable and durable
- Resistant to most acids and alkalis
- Will not shrink, stretch or unravel

### Applications

- Gasketing
- Oven and Furnace Door seals
- Joint packing
- Mold and Tube seals
- Steam Pipe wrapping
- Cable and Wire insulation
- Hydraulic and Electrical line protection

### Physical Properties

	Single Filament
Fiber length	continuous
Specific gravity	2.54
Moisture absorbency, % (surface) up to	0.3
Creep	none
Dielectric strength, volts/mil.	498
Dielectric constant	5.9 to 6.4
Continuous use limit, up to °F (°C)	1000 (538°C)
Melting point, °F (°C)	3000 (1649)

### Chemical Analysis

Alumina, Al <sub>2</sub> O <sub>3</sub>	10 - 12
Silica, SiO <sub>2</sub>	52 - 60
Boron oxide, B <sub>2</sub> O <sub>3</sub>	8 - 13
Calcium oxide, CaO	16 - 25
Magnesium oxide, MgO	0 - 6
Alkalies, as, Na <sub>2</sub> O, K <sub>2</sub> O	0 - 1
Other	30 - 35

### Chemical Properties

Kao-Tex Textile 1000 Tapes, Ropes and Tubings possess excellent resistance to chemical attack. Exceptions include hydrofluoric and corrosive elements at elevated temperatures. Kao-Tex Textiles 1000 accept a variety of treatments to suit specific applications. They can be coated with S.B.R., N.B.R., Hypalon\*, Viton\* and Teflon\*

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### Availability

**Woven Tape** Standard roll length for tape is 100 feet.

	Weight, oz/yd <sup>2</sup>	Thickness, in	Width, in.
Style 550	550/16	0.030	1 to 6
Style 1000	1000/30	0.065	¾ to 6
Style 2500	2500/75	0.125	1 to 6
Style 3900	3900/115	0.250	¾ to 6

### Bolt Hole Tape

		Thickness, in	Width, in.
Style 700	22	0.065	1
	22	0.065	2
	22	0.065	3
Style 1350	39	0.125	1
	39	0.125	2
	39	0.125	3

### Tadpole Tapes

	Overall Width, in.	Bulb Diameter, in.
Style 1000	1	⅜, ½, ⅝
Style 1250	1¼	⅜, ½, ⅝
Style 1375	1⅝	⅜, ½, ⅝
Style 1500	1½	⅜, ½, ⅝
Style 1750	1¾	⅜, ½, ⅝, 1
Style 2000	2	⅜, ½, ⅝, 1
Style 2500	2½	⅜, ½, ⅝, 1

### Rope

Diameter (in.)	Twisted Rope		Braided Rope	
	ft/spool	wt (ft/lb)	ft/spool	wt (ft/lb)
¼	1275	51.0	1462	58.5
⅜	969	39.0	638	25.5
½	523	21.0	426	17.0
⅝	305	12.0	262	10.5
¾	168	7.0	179	7.0
⅞	144	6.0	110	4.5
1	114	4.5	99	4.0
1¼	—	—	58	2.3
1½	—	—	37	1.5
2	—	—	20	0.8
3	—	—	9.5	0.4

### Tubing - Wall

Wall Thickness, in	Thickness, in
⅛*	⅜, ¼, ⅜, ½, ⅝, ¾, 1, 1¼, 1½, 2, 3
⅙*	¼, ⅜, ½, ⅝, ¾, 1, 1¼, 1½, 2, 3