Hi-Tech Products, Inc.

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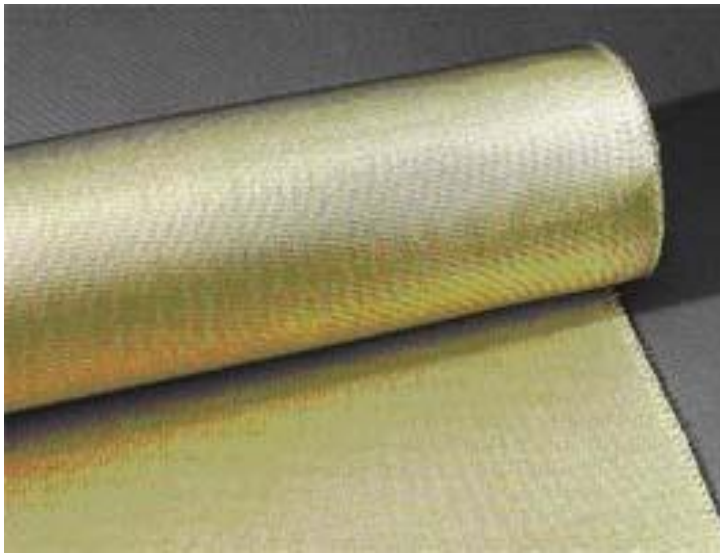
OmniSil Woven Cloth



OmniSil woven cloths are a new generation of continuous filament amorphous silica materials available in several thicknesses and weights. The intended use for these [products are in high temperature applications where the need for thermal insulation and/or protection is required.
The **OmniSil** cloths are hygienically safe and provide a capable alternative to asbestos, fiberglass, refractory ceramic fibers and the other contemporary silica products wither safety, performance and cost effectiveness are the utmost concern.
All the **OmniSil** cloths can be coated with a variety of elastomer coatings to improve surface abrasion and toughness. The fabrics can also be aluminized for increased radiant heat reflectivity and con be cut, sewn and custom fabricated to specific customer requirements.

Characteristic	Units	OS-M60	OS-300	OS-600	OS-1000
Silica Content	%	94.0	94.0	94.0	94.0
Aluminum Content	%	4.0	4.0	4.0	4.0
Sodium Content	%	0.8	0.8	0.8	0.8
Total Halogens	ppm	NIL	NIL	NIL	NIL
Weave		Mesh-.060" Cell	Plain	8-H Satin	12-H Satin
Filament Diameter	Micron	6.0	6.0	6.0	6.0
Thickness	Inch	0.030	0.020	0.030	0.050
Weight	Oz/Yd^2	16.0	10.0	18.0	36.0
Width	Inch	35.0	34.0	35.0	35.0
Length	Yards	50.0	50.0	50.0	50.0
Break Strength (W)	lbs/in	-	140.0	400.0	480.0
Break Strength (F)	lbs/in	-	140.0	240.0	330.0
Steady Use Temp.	°F	>1800	>1800	>1800	>1800
Melt Temp.	°F	>3000	>3000	>3000	>3000
Lineal Shrinkage	%	5.0	<0.3	5.0	5.0

- **Fireproof**
- **No Leachable Chlorides/Fluorides**
- **Asbestos Free**
- **High Breaking Strength**
- **Excellent Abrasion Resistance**
- **Resists Corrosive Fluids**
- **Offers the Best Performance for Welding, Cutting and Heat Shield**
- **Does Not Emit Concentrations of visible smoke or Noxious/Toxic Fumes when subjected to High Temperatures**