



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 all high temperature applications where the need for thermal insulation and/or protection is required. The OmniSil cloths are hygienically safe and provide a viable alternative to asbestos, fiberglass, refractory ceramic fibers and the other contemporary silica products where safety, performance and cost effectiveness are the key issues.

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 can be cut, sewn and custom fabricated to specific customer requirements.

CHARACTERISTICS

Characteristic	Units	OmniSil Code			
		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	.030	.020	.030	.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

APPLICATIONS

■ Welding & Burning Blankets
■ Furnace Curtains

■ Stress Relieving Insulation
■ Molten Metal Filtration

■ Cable Tray Insulation
■ Steam Pipe Lagging