

# Claretex Welding Fabrics

## Claretex Hysil

### DESCRIPTION

- Hysil is a flexible alumina silica fabric designed to provide protection from extreme heat and molten metals
- Hysil has excellent thermal insulation characteristics over a wide variety of temperature ranges, and it does not melt until temperatures exceed 3000° F

### APPLICATIONS

- Personnel & equipment protection
- Welding/drop cloths and curtains
- Stress-relief blankets
- Cable tray wraps
- Fire curtains
- Furnace curtains
- Many heat shield applications for aerospace, industrial, power and marine industries

### FEATURES AND BENEFITS

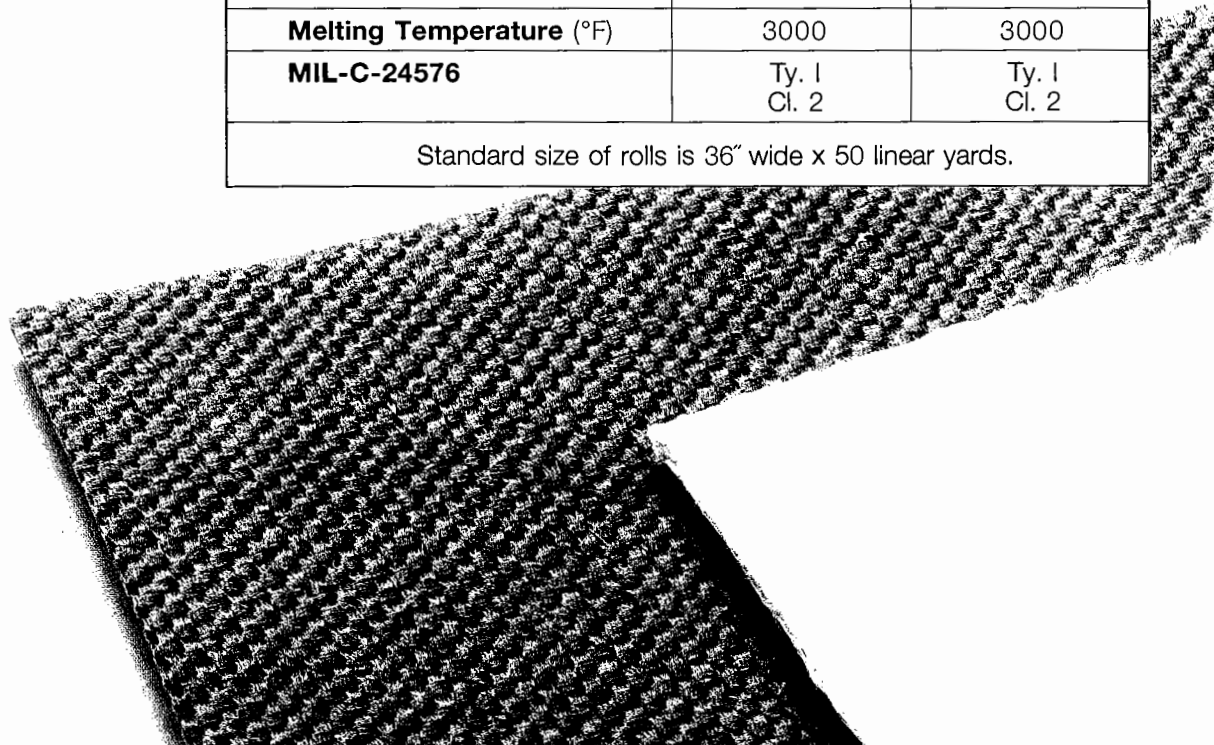
- Hysil offers excellent chemical resistance
- Fabrics can be specified with aluminum, neoprene, silicone or other coatings to meet specific performance requirements
- Fabrics can also be treated to enhance abrasion resistance
- Fabrics can also be treated to enhance flexibility at elevated temperatures
- Provides an economical replacement for asbestos
- Minimum 96% silicon dioxide content
- Available in fabrics, ropes, sleeving, tape, mat and yarn
- Resists most corrosive fluids
- Generates essentially no smoke or fumes under the most severe heat conditions
- All Hysil fabrics are treated with a hydrocarbon coating which will decompose at high-temperatures

### SPECIFICATION COMPLIANCE

- MIL-C-24576 Ty. I, Cl. 1 and 2
- MIL-I-24244 (when required)
- NRC 1.36 (when required)

### PHYSICAL PROPERTIES

	<b>Hysil 48</b>	<b>Hysil 58</b>
<b>Weight</b> (oz/sy)	18	36
<b>Thickness</b> (in.)	.028	.046
<b>Breaking Strength</b> (lb/in.)	360	490
<b>Fill</b>	250	360
<b>Silica Content</b>	94	94
<b>Melting Temperature</b> (°F)	3000	3000
<b>MIL-C-24576</b>	Ty. I Cl. 2	Ty. I Cl. 2
Standard size of rolls is 36" wide x 50 linear yards.		



# Claretex G-Series

## DESCRIPTION

- G-Series heavyweight fiberglass fabrics are woven from 100% textured fiberglass in a manner that offers an exceptionally durable, dimensionally stable, inexpensive finished product.
- Offers protection to 1000° F
- Designed to offer an inexpensive insulating flame barrier for use in a variety of applications
- Available with a fine 304 stainless steel wire insert

## APPLICATIONS

- Welding curtains and drop cloths
- Gloves, mittens and aprons & other safety garments
- Removable insulation pads
- Industrial furnace curtains
- Equipment covers
- Cable tray covers/liners

## FEATURES AND BENEFITS

- Low cost asbestos replacement
- High dielectric strength and low dielectric constant
- Available with wire reinforcement to increase strength and service temperatures
- Resists organic solvents
- Resists most acids & alkalis
- Mildew or mold resistant
- Asbestos free
- Soft hand and good drapeability
- High tensile strength
- High abrasion resistance
- Non-combustible
- Odorless

## PHYSICAL PROPERTIES

	G-800	G-1000	G-1200	G-2400
<b>Weave</b>	Plain	Plain-2 ply	Plain-2 ply	Plain- 2 ply
<b>Thickness (in.)</b>	.055	.058	.065	.140
<b>Weight (oz/sy)</b>	32	36	40	70
<b>Construction (warp x fill)</b>	18 x 12	18 x 9	18 x 11	32 x 10
<b>Breaking Strength (lb/in.)</b>	300	300	300	300
<b>Fill (minimum)</b>	300	300	300	300
<b>Widths available</b>	40" or 60"	40" or 60"	40" or 60"	40" or 60"
<b>Roll Length (linear yards)</b>	50	50	50	50

