



**INDUSTRIAL
ENERGY
PRODUCTS**

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Glastemp®

HIGH TEMPERATURE RESISTANT TEXTILES



Glastemp® TECHNICAL DATA

Glastemp Industrial textiles are designed to meet a wide variety of applications as required by industry. The initial development of Glastemp was motivated by a market demand for asbestos replacements. Glastemp, proven to be an economical high performance product, is available in a wide range of forms including rope, sleeving, tape and cord. Glastemp can be easily fabricated to meet special requirements for temperatures up to 1000° F.

NON-FLAMMABLE

Glastemp products will not burn or smolder.

HIGH HEAT RESISTANCE

May be used at surface temperatures up to 1000° F. Retains 50% of tensile strength at 700° F, and as much as 25% at 1000° F.

EXCELLENT DIMENSIONAL STABILITY

Will not stretch or shrink. No more than 3% elongation under maximum stress. Retains stability even at high temperatures.

HIGH TENSILE STRENGTH

Highest strength-to-weight ratio of any industrial textile product.

CHEMICAL RESISTANCE

Inorganic Glastemp is highly resistant to most chemicals. Will not rot or mildew.

EXCELLENT ELECTRICAL PROPERTIES

High dielectric strength and low constants.

GREAT FLEXIBILITY

The very fine filaments used in making Glastemp give it a high degree of flexibility.

FINISHES

Glastemp textiles can be treated with special finishes to meet specific requirements. These finishes include heat treatment to improve cutting qualities, waterproof finish, and rewet finish with preapplied adhesive for lagging. It can also be supplied with aluminum foil, neoprene or vinyl finish. Glastemp is available with brass wire or inconel insert for added strength.

MEETS THE FOLLOWING SPECIFICATIONS

U.S. Coast Guard for incombustible materials, subpart 169.009

U.S. Government Specs - MIL-C-27009 & MIL-I-24244

Glastemp textiles are available for a broad variety of industrial and marine applications.

CLOTH APPLICATIONS

- Marine and industrial lagging
- Welding shields
- Insulation and refinery fire blankets
- Laminating (both high and low pressure)
- Removable flange and valve covers (aluminized and plain)
- Spray shields (aluminized)
- Stress relieving
- Protection of flexaust hose in steel mills (aluminized)

TUBING APPLICATIONS

- Protection of metal tubing
- Protection of hose lines, wire and cable
- Protection of thermocouple leads
- Stress relieving
- Oven door seals and thermal insulation

TAPE APPLICATIONS

- Pipe wrapping for personnel protection and thermal insulation
- Meter line wrapping in refineries
- Hose wrapping for protection against heat and metal splash
- Oven door seals
- Fabricating tadpole gasketing
- Thermal insulation
- Pipe hangers

ROPE APPLICATIONS

- Packing for furnace doors
- Packing - boilers
- Core tadpole tape

GLASTEMP DATA

CLOTH

| Cloth Style No. | Oz. per sq. yd | Gauge | Ends per 1" | Picks per 1" | Standard Roll Widths |
|-----------------|----------------|-------|-------------|--------------|----------------------|
| GF9 | 8.5 | .020" | 18 | 14 | 40" 60" |
| GF12 | 12.0 | .030" | 18 | 14 (x2) | 40" 60" |
| GF19 | 18.5 | .035" | 20 | 14 | 40" 60" |
| GF24 | 24 | .060" | 27 | 23 | 40" 60" |
| GF30 | 30 | .065" | 18 | 12 | 40" 60" |
| GF35 | 35 | .080" | 18 | 9 (x2) | 40" 60" |
| GF40 | 40 | .085 | 18 | 11 (x2) | 40" 60" |
| GF18 (AI) | 18 | .030" | 20 | 14 | 60" |

METALLIC GLASS CLOTH

Inconel Insert .0045" Diameter

G35 - 60"

OTHER AVAILABLE STYLES:

Heat Treated • Brass Wire Inserted • Nickel Wire Inserted
• Rewet Finish • Neoprene Coated • Silicone Coated • Color Dyed

TWISTED ROPE

| Rope Style Number | Feet Per Pound X Diameter | | | | | | |
|-------------------|---------------------------|-------|-------|------|------|------|------|
| | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" | 7/8" | 1" |
| GR-786 | 51 | 38.76 | 20.92 | 12.2 | 6.72 | 5.76 | 4.56 |

STANDARD PUT-UP: 25 POUND REELS

TUBING (Made of non-texturized yarn)

| Tubing Style Number | Size I.D. | Wall Thickness | Approx. Ft./Lb. |
|---------------------|-----------|----------------|-----------------|
| GS-14 | 1/4" | 1/32" | 78 |
| GS-38 | 3/8" | 1/32" | 62 |
| GS-12 | 1/2" | 1/32" | 50 |
| GS-34 | 3/4" | 1/32" | 18 |
| GS-1 | 1 | 1/32" | 16.8 |
| GS-114 | 1 1/4" | 1/32" | 15.4 |
| GS-112 | 1 1/2" | 1/32" | 11.5 |
| GS-134 | 1 3/4" | 1/32" | 9.8 |
| GS-2 | 2 | 1/32" | 7.7 |
| GS-212 | 2 1/2" | 3/64" | 5.9 |
| GS-3 | 3" | 3/64" | 4.9 |
| GS-312 | 3 1/2" | 3/64" | 4.3 |
| GS-4 | 4 | 3/64" | 3.7 |
| GS-412 | 4 1/2" | 3/64" | 3.5 |

STANDARD PUT-UP APPROXIMATELY 25 LBS. NET WT.

HEAT TREATED AVAILABLE

OTHER ID SIZES AVAILABLE UPON REQUEST, SUBJECT TO MINIMUM ORDER

* LENGTHS MEASURED OVER MANDREL

TAPE

| Style | Gauge | Weight Per 100' Rolls, Lbs. | | | | | | |
|-------|-------|-----------------------------|--------|-----|------|------|------|------|
| | | 1" | 1 1/2" | 2" | 3" | 4" | 5" | 6" |
| GT-19 | .025" | 1 | 1.5 | 1.9 | 2.9 | 3.6 | 4.6 | 5.5 |
| GT-36 | .060" | 2 | 3.1 | 3.9 | 6.1 | 8 | 10 | 12 |
| GT-65 | .125" | 4 | 6.3 | 8.1 | 12.8 | 16.5 | 20.5 | 24.5 |

BOLT HOLE TAPE AVAILABLE ON REQUEST IN WIDTHS OF 1", 1 1/2", 2", 2 1/2" AND 3" IN THICKNESSES OF 1/16" AND 1/8"
ALL TAPE ROLLS ARE 100' LONG