



MILTRONIC

A Lapp Group Company



ANAMET HEAT PROTECTION PRODUCTS:

HIPROJACKET® / THERMOJACKET
HIPROTAPE® / HIPROSILTAPE®
HIPROBLANKET / THERMOBLANKET
SILICABLANKET



ANAMET EUROPE

YOUR SPECIALIST FOR HEAT PROTECTION

Product selection table Anamet heat protection products.

| Product | Material | Material | Temp. (°C) | | Temperature short term | | Resistance | | Approvals | | Page |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|------------|-------|------------------------|------------|------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| | | | Min. | Max. | 20 min. | 15-30 sec. | Oil | Splash | | | |
|  Hiprojacket | Glass fibre | Silicone Halogen-free RoHS | -55 | +260 | +800°C | +1640°C | ++++ | ++++ |   |  | 04 - 08 |
|  Hiprotape | Glass fibre | Silicone Halogen-free RoHS | -55 | +260 | +800°C | +1640°C | ++++ | ++++ | |  | 09 - 11 |
|  Hiprosiltape | - | Silicone Halogen-free RoHS | -55 | +260 | - | - | ++++ | ++ | |  | 12 |
|  Hiproblanket Wrap | Glass fibre | Silicone Halogen-free RoHS | -55 | +260 | +800°C | +1640°C | ++++ | ++++ | |  | 13 - 16 |
|  Hiprorope | Glass fibre | Silicone Halogen-free RoHS | -55 | +260 | +800°C | +1640°C | ++++ | ++++ | | | 17 |
|  Thermojacket | Glass fibre | - | -55 | +538 | - | - | - | - | |  | 18 - 20 |
|  Thermotape | Glass fibre | - | -55 | +538 | - | - | - | - | | | 21 |
|  Thermoblanket | Glass fibre | - | -55 | +538 | - | - | - | - | |  | 22 |
|  Silicajacket | Silica fibre | - | -55 | +1090 | - | - | - | - | | | 23 |
|  Hiproblanket Light | Glass fibre | Silicone Halogen-free RoHS | -55 | +538 | +538°C | +1200°C | +++ | +++ | | | 24 - 25 |
|  Hiproblanket | Glass fibre | Silicone Halogen-free RoHS | -55 | +260 | +800°C | +1640°C | ++++ | ++++ | |  | 26 - 28 |
|  Silicablanket | Silica fibre | - | -55 | +1090 | - | - | - | - | | | 29 |
|  Hipro Insulation Wrap | Glass fibre (innerlayer and filling) | Silicone Halogen-free RoHS | -55 | +538 | +538°C | +1200°C | - | - | | | 30 |

**ANAMET HEAT
PROTECTION
PRODUCTS**

**PRODUCT
SELECTION
TABLE**

Engineering data heat protection products

The right choice of heat protection materials is important for the functioning and durability of the equipment.

The heat protection materials of Anamet Europe B.V. can basically be divided into 3 groups:

1. Hipro-products, consisting of an E-glass fibre base, covered with iron-oxide silicon rubber.
Temperature range: -55 °C till +260 °C continuous, +800 °C for approx. 20 minutes and +1640 °C for 15-30 seconds

Flammability : UL-94 V1.
2. Thermo-products, consisting completely of E-glass fibre.
Temperature range: -55 °C till +538 °C continuous.
3. Silica-products consisting of completely amorphous silica fibres.
Temperature range: -55 °C till +1090 °C continuous.

Each product groups are available in various grades and executions, like sleeving, tape, blankets and remountable wraps.

The choice of which product offers the best solution is strongly depending on the exact application.

Thermo- and Silica-products don't withstand open flame exposure and molten splash, like the Hipro-products do.

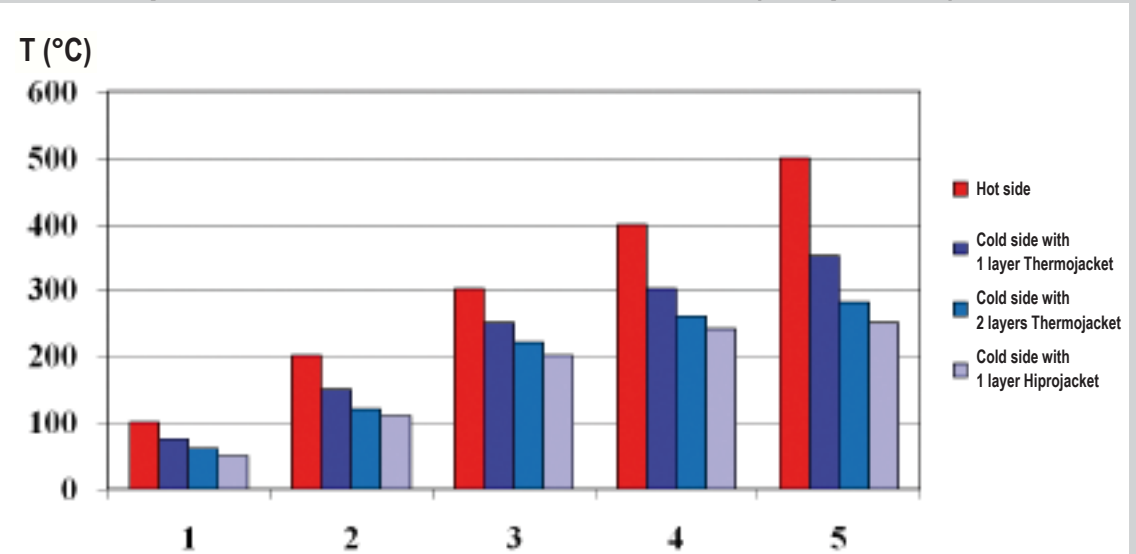
At the other hand Thermo-and Silica-products offer a good heat protection at higher continuous temperatures than are possible for Hipro-products.

Next to the temperature resistance, there is also a difference in insulation characteristics for the Hipro- and Thermo-products, as shown in the graph below. If however a higher level of insulation is required please refer to page 30 where we have our special high temperature insulation wraps shown.

ANAMET HEAT PROTECTION PRODUCTS

ENGINEERING DATA

Thermal protection - hot side versus cold side (Temp. in °C)



Note:

Above mentioned values are based on respectively Hiprojacket Aero and Thermojacket S (saturated) with the heat source at the inside of the sleeving. For additional information on specific conditions, please contact your Anamet representative.

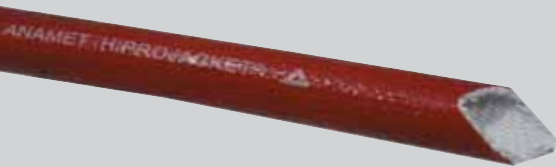
When Hipro products exposed to flame, the silicone rubber transforms into crust, creating a protective SiO₂ refractory layer. Hipro products withstands repeated exposures to molten steel, molten aluminium and molten glass up to +1650 °C. The heavy coating of our proprietary iron oxide red silicone compound sheds molten metal splashes immediately, so very little heat transfer occurs.

The fibre glass will not burn, retains 75% of its tensile at 343 °C, softens at 732 °C till 877 °C and melts at 1121 °C till 1182 °C.

The theoretical dielectric strength of our Hipro products is 16.000 V per mm cover thickness, being the characteristic of Silicone rubber. However as the liquid process, to coat the sleeveings, tapes and blankets, allows for possible inclusions of tiny airbubbles or pinholes we cannot guarantee a minimum dielectric strength of the finished product.



For installation instructions and safety data refer to page 31.



Hiprojacket® Aero:
Braided sleeving, solid constructed
acc. SAE AS1072, superior short term
flame protection.

The ultimate heatprotection for cables and hoses. This solid braided glassfiber sleeving, with thick silicone cover, is constructed according to the Aerospace Standard SAE AS1072 and allows qualified hose assemblies to pass the AS1055 testing. This Hiprojacket offers superior short term flame protection and excellent temperature reduction. In the field of cable protection, a complete program of Hiprojacket fittings is available for easy installation. Resistant to hydraulic fluids, lubricating oils and fuels, Hiprojacket protects against molten splash, occasional flames, heat radiation, energy loss in piping and hoses; also protects employees from burns. Hiprojacket is typically used in the Aerospace-industry, steelworks, glass and ceramics industry, as well as in the machine- and apparatus-building.

lent oil resistant, halogen-free, superior short term flame protection, excellent temperature reduction and withstands molten splash.

Special approvals: NFF 16-101: class I2 / F1.
 Highly flameretardant, Oxygenindex LOI = 39,2.
 Inflammable acc. NF EN ISO 11925-2 (15 & 30 seconds).
 DIN 5510-2: class S4 / SR2 / ST2.

Allows qualified hose assemblies to pass the SAE AS1055 testing.

Temperature: -55 °C till +260 °C continuous.
 Under flame till +800 °C for approx. 20 minutes.
 Radiation heat till +800 °C for approx. 20 minutes.
 Molten metal splash till +1640 °C for 15-30 seconds.
Colour: Red, other colours available on demand.

Material & Construction:

Construction: Braided sleeving from E-glass yarns, solid constructed acc. Aerospace Standard SAE AS1072 type 2.

Cover specifications: Iron-oxide silicon rubber. Excel-



| Hiprojacket Aero | | | Diametre | | Standard carton | | Small carton | | Random Length | | Weight (Kg/m) |
|------------------|--------|-------|----------|---------|-----------------|-------------|--------------|-------------|---------------|-------------|------------------|
| Size | Size | Type | Inside | Outside | Metre | Article No. | Metre | Article No. | Metre | Article No. | |
| (mm) | (Inch) | | (mm) | (mm) | | Red | | Red | | Red | |
| 6 | 1/4" | HJ-04 | 6 | 11 | 30 | 336.006.3 | 15 | 336.006.1 | 1 | 336.006.0 | 0,12 |
| 10 | 3/8" | HJ-06 | 10 | 15 | 30 | 336.010.3 | 15 | 336.010.1 | 1 | 336.010.0 | 0,16 |
| 13 | 1/2" | HJ-08 | 13 | 18 | 30 | 336.013.3 | 15 | 336.013.1 | 1 | 336.013.0 | 0,19 |
| 16 | 5/8" | HJ-10 | 16 | 22 | 30 | 336.016.3 | 15 | 336.016.1 | 1 | 336.016.0 | 0,21 |
| 19 | 3/4" | HJ-12 | 19 | 25 | 30 | 336.019.3 | 15 | 336.019.1 | 1 | 336.019.0 | 0,24 |
| 22 | 7/8" | HJ-14 | 22 | 28 | 30 | 336.022.3 | 15 | 336.022.1 | 1 | 336.022.0 | 0,28 |
| 25 | 1" | HJ-16 | 25 | 31 | 30 | 336.025.3 | 15 | 336.025.1 | 1 | 336.025.0 | 0,33 |
| 29 | 1.1/8" | HJ-18 | 29 | 35 | 30 | 336.029.3 | 15 | 336.029.1 | 1 | 336.029.0 | 0,35 |
| 32 | 1.1/4" | HJ-20 | 32 | 38 | 30 | 336.032.3 | 15 | 336.032.1 | 1 | 336.032.0 | 0,39 |
| 35 | 1.3/8" | HJ-22 | 35 | 41 | 30 | 336.035.3 | 15 | 336.035.1 | 1 | 336.035.0 | 0,45 |
| 38 | 1.1/2" | HJ-24 | 38 | 44 | 30 | 336.038.3 | 15 | 336.038.1 | 1 | 336.038.0 | 0,48 |
| 41 | 1.5/8" | HJ-26 | 41 | 47 | 30 | 336.041.3 | 15 | 336.041.1 | 1 | 336.041.0 | 0,52 |
| 44 | 1.3/4" | HJ-28 | 44 | 50 | 30 | 336.044.3 | 15 | 336.044.1 | 1 | 336.044.0 | 0,64 |
| 51 | 2" | HJ-32 | 51 | 57 | 30 | 336.051.3 | 15 | 336.051.1 | 1 | 336.051.0 | 0,67 |
| 57 | 2.1/4" | HJ-36 | 57 | 63 | 30 | 336.057.3 | 15 | 336.057.1 | 1 | 336.057.0 | 0,74 |
| 64 | 2.1/2" | HJ-40 | 64 | 70 | 30 | 336.064.3 | 15 | 336.064.1 | 1 | 336.064.0 | 0,75 |
| 70 | 2.3/4" | HJ-44 | 70 | 76 | 30 | 336.070.3 | 15 | 336.070.1 | 1 | 336.070.0 | 0,88 |
| 76 | 3" | HJ-48 | 76 | 82 | 30 | 336.076.3 | 15 | 336.076.1 | 1 | 336.076.0 | 1,03 |
| 83 | 3.1/4" | HJ-52 | 83 | 89 | 30 | 336.083.3 | 15 | 336.083.1 | 1 | 336.083.0 | 1,13 |
| 89 | 3.1/2" | HJ-56 | 89 | 95 | 30 | 336.089.3 | 15 | 336.089.1 | 1 | 336.089.0 | 1,18 |
| 95 | 3.3/4" | HJ-60 | 95 | 101 | 30 | 336.095.3 | 15 | 336.095.1 | 1 | 336.095.0 | 1,34 |
| 102 | 4" | HJ-64 | 102 | 108 | 30 | 336.102.3 | 15 | 336.102.1 | 1 | 336.102.0 | 1,41 |

The fittings for Hiprojacket are outlined on page 07.





Hiprojacket® Industrial: Knitted sleeving, good short term flame protection.

The industrial alternative for less demanding situations. This Industrial Grade has a more open construction of glass fibre, but due to the thick silicon cover still offers good short term flame protection and temperature reduction. Resistant to hydraulic fluids, lubricating oils and fuels, Hiprojacket Industrial protects against molten splash, occasional flames, heat radiation, energy loss in piping and hoses; also protects employees from burns. Hiprojacket Industrial is frequently used to protect cables and industrial rubber/metal hoses in the glass, ceramics and steel industry, as well as in the machine- and apparatus-building.

good temperature reduction and withstands molten splash.

Temperature: -55 °C till +260 °C continuous.

Under flame till +800 °C for approx. 20 minutes.

Radiation heat till +800 °C for approx. 20 minutes.

Molten metal splash till +1640 °C for 15-30 seconds.

Colour: Red, other colours available on demand.

Material & Construction:

Construction: Knitted sleeving from E-glass yarns.

Cover specifications: Iron-oxide silicon rubber, excellent oil resistant, halogen-free, good short term flame protection,

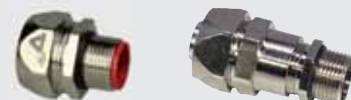


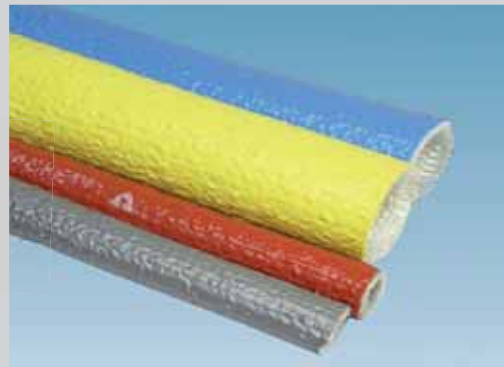
ANAMET HEAT PROTECTION PRODUCTS

PROTECTION SLEEVE TYPE HIPROJACKET INDUSTRIAL

| Hiprojacket Industrial | | | Diametre | | Standard carton | | Small carton | | Reels | | Weight (Kg/m) |
|------------------------|----------------|---------|----------------|-----------------|-----------------|--------------------|--------------|--------------------|-------|--------------------|------------------|
| Size (mm) | Size (Inch) | Type | Inside (mm) | Outside (mm) | Metre | Article No. Red | Metre | Article No. Red | Metre | Article No. Red | |
| 6 | 1/4" | HJ-I-04 | 6 | 11 | 30 | 336.806.3 | - | - | - | - | 0,11 |
| 10 | 3/8" | HJ-I-06 | 10 | 15 | 30 | 336.810.3 | - | - | - | - | 0,14 |
| 13 | 1/2" | HJ-I-08 | 13 | 18 | 30 | 336.813.3 | - | - | - | - | 0,17 |
| 16 | 5/8" | HJ-I-10 | 16 | 22 | 30 | 336.816.3 | - | - | - | - | 0,22 |
| 19 | 3/4" | HJ-I-12 | 19 | 25 | 30 | 336.819.3 | - | - | - | - | 0,25 |
| 22 | 7/8" | HJ-I-14 | 22 | 28 | 30 | 336.822.3 | - | - | - | - | 0,26 |
| 25 | 1" | HJ-I-16 | 25 | 31 | 30 | 336.825.3 | - | - | - | - | 0,30 |
| 29 | 1.1/8" | HJ-I-18 | 29 | 35 | 30 | 336.829.3 | - | - | - | - | 0,34 |
| 32 | 1.1/4" | HJ-I-20 | 32 | 38 | 30 | 336.832.3 | - | - | - | - | 0,36 |
| 35 | 1.3/8" | HJ-I-22 | 35 | 41 | 30 | 336.835.3 | - | - | - | - | 0,48 |
| 38 | 1.1/2" | HJ-I-24 | 38 | 44 | 30 | 336.838.3 | - | - | - | - | 0,53 |
| 41 | 1.5/8" | HJ-I-26 | 41 | 47 | 30 | 336.841.3 | - | - | - | - | 0,53 |
| 44 | 1.3/4" | HJ-I-28 | 44 | 50 | 30 | 336.844.3 | - | - | - | - | 0,55 |
| 51 | 2" | HJ-I-32 | 51 | 57 | 30 | 336.851.3 | - | - | - | - | 0,62 |
| 57 | 2.1/4" | HJ-I-36 | 57 | 63 | 30 | 336.857.3 | - | - | - | - | 0,71 |
| 64 | 2.1/2" | HJ-I-40 | 64 | 70 | 30 | 336.864.3 | - | - | - | - | 0,73 |
| 70 | 2.3/4" | HJ-I-44 | 70 | 76 | 30 | 336.870.3 | - | - | - | - | 0,82 |
| 76 | 3" | HJ-I-48 | 76 | 82 | 30 | 336.876.3 | - | - | - | - | 0,93 |
| 83 | 3.1/4" | HJ-I-52 | 83 | 89 | 30 | 336.883.3 | - | - | - | - | 1,14 |
| 89 | 3.1/2" | HJ-I-56 | 89 | 95 | 30 | 336.889.3 | - | - | - | - | 1,15 |
| 95 | 3.3/4" | HJ-I-60 | 95 | 100 | 30 | 336.895.3 | - | - | - | - | 1,17 |
| 102 | 4" | HJ-I-64 | 102 | 108 | 30 | 336.897.3 | - | - | - | - | 1,22 |
| 114 | 4.1/2" | HJ-I-72 | 114 | 120 | 30 | 336.898.3 | 15 | 336.898.1 | - | - | 1,65 |
| 127 | 5" | HJ-I-80 | 127 | 133 | 30 | 336.899.3 | 15 | 336.899.1 | - | - | 1,71 |

The fittings for Hiprojacket are outlined on page 07.





Hiprojacket® Industrial:
In the clours Grey, Blue and Yellow.

Material & Construction:

Construction: Knitted sleeving from E-glass yarns.

Cover specifications: Iron-oxide silicon rubber, excellent oil resistant, halogen-free, good short term flame protection, good temperature reduction and withstands molten splash.

Temperature: -55 °C till +260 °C continuous.
Under flame till +800 °C for approx. 30 minutes.
Radiation heat till +800 °C for approx. 20 minutes.
Molten metal splash till +1640 °C for 15-30 seconds.
Colour: Grey, Blue, Yellow and Black.



| Hiprojacket Industrial | | | Diametre | | Standard carton | | Small carton | | Reels | | Weight (Kg/m) |
|------------------------|--------|---------|----------|---------|-----------------|-------------|--------------|-------------|-------|-------------|---------------|
| Size | Size | Type | Inside | Outside | Metre | Article No. | Metre | Article No. | Metre | Article No. | |
| (mm) | (Inch) | | (mm) | (mm) | | Grey | | Grey | | Grey | |
| 13 | 1/2" | HJ-I-08 | 13 | 18 | 30 | 346.013.3 | - | - | - | - | 0,17 |
| 16 | 5/8" | HJ-I-10 | 16 | 22 | 30 | 346.016.3 | - | - | - | - | 0,22 |
| 19 | 3/4" | HJ-I-12 | 19 | 25 | 30 | 346.019.3 | - | - | - | - | 0,25 |
| 29 | 1.1/8" | HJ-I-18 | 29 | 35 | 30 | 346.029.3 | - | - | - | - | 0,34 |
| 35 | 1.3/8" | HJ-I-22 | 35 | 41 | 30 | 346.035.3 | - | - | - | - | 0,48 |
| 41 | 1.5/8" | HJ-I-26 | 41 | 47 | 30 | 306.041.3 | - | - | - | - | 0,53 |
| 51 | 2" | HJ-I-32 | 51 | 57 | 30 | 346.051.3 | - | - | - | - | 0,62 |



| Hiprojacket Industrial | | | Diametre | | Standard carton | | Small carton | | Reels | | Weight (Kg/m) |
|------------------------|--------|---------|----------|---------|-----------------|-------------|--------------|-------------|-------|-------------|---------------|
| Size | Size | Type | Inside | Outside | Metre | Article No. | Metre | Article No. | Metre | Article No. | |
| (mm) | (Inch) | | (mm) | (mm) | | Blue | | Blue | | Blue | |
| 13 | 1/2" | HJ-I-08 | 13 | 18 | 30 | 346.113.3 | - | - | - | - | 0,17 |
| 16 | 5/8" | HJ-I-10 | 16 | 22 | 30 | 346.116.3 | - | - | - | - | 0,22 |
| 19 | 3/4" | HJ-I-12 | 19 | 25 | 30 | 346.119.3 | - | - | - | - | 0,25 |
| 29 | 1.1/8" | HJ-I-18 | 29 | 35 | 30 | 346.129.3 | - | - | - | - | 0,34 |
| 35 | 1.3/8" | HJ-I-22 | 35 | 41 | 30 | 346.135.3 | - | - | - | - | 0,48 |
| 41 | 1.5/8" | HJ-I-26 | 41 | 47 | 30 | 306.141.3 | - | - | - | - | 0,53 |
| 51 | 2" | HJ-I-32 | 51 | 57 | 30 | 346.151.3 | - | - | - | - | 0,62 |



| Hiprojacket Industrial | | | Diametre | | Standard carton | | Small carton | | Reels | | Weight (Kg/m) |
|------------------------|--------|---------|----------|---------|-----------------|-------------|--------------|-------------|-------|-------------|---------------|
| Size | Size | Type | Inside | Outside | Metre | Article No. | Metre | Article No. | Metre | Article No. | |
| (mm) | (Inch) | | (mm) | (mm) | | Yellow | | Yellow | | Yellow | |
| 13 | 1/2" | HJ-I-08 | 13 | 18 | 30 | 346.213.3 | - | - | - | - | 0,17 |
| 16 | 5/8" | HJ-I-10 | 16 | 22 | 30 | 346.216.3 | - | - | - | - | 0,22 |
| 19 | 3/4" | HJ-I-12 | 19 | 25 | 30 | 346.219.3 | - | - | - | - | 0,25 |
| 29 | 1.1/8" | HJ-I-18 | 29 | 35 | 30 | 346.229.3 | - | - | - | - | 0,34 |
| 35 | 1.3/8" | HJ-I-22 | 35 | 41 | 30 | 346.235.3 | - | - | - | - | 0,48 |
| 41 | 1.5/8" | HJ-I-26 | 41 | 47 | 30 | 306.241.3 | - | - | - | - | 0,53 |
| 51 | 2" | HJ-I-32 | 51 | 57 | 30 | 346.251.3 | - | - | - | - | 0,62 |

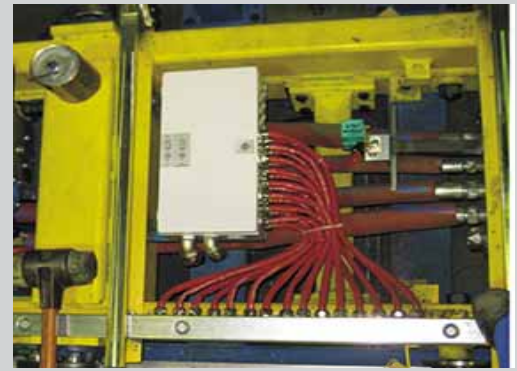


Anaconda nickel plated brass fittings for Hiprojacket®.

To fit the Hiprojacket you can use the standard Anaconda fittings (which are being used for metal conduits Sealrite), if you replace their standard polyamide clamping rings with the special metal clamping rings mentioned here under. The fittings are also available in 45°, 90° and in stainless steel (see also chapter 4 and 6).

Material & Construction:

Construction: Nickel plated brass fitting, consisting of 4 parts (counter nut, clamping ring, ferrule and body).



Material: Counter nut, body, clamping ring and ferrule are nickel plated brass with exception of size 3/8" till 1" where the ferrule is from galvanised steel. Inserts are made from PA6 (red for ISO metric, blue for Pg and white for NPT).

Temperature: -45 °C till +105 °C continuous (cable-hose-fittings till +300 °C on request).

Protection class: IP 54 (dust-protected, splash water-proof), additionally sealed with HiproSiltape, IP 67 is possible.

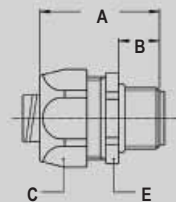
Colour: Metal.

Clamping ring, zinc plated brass, for combination with Hiprojacket.



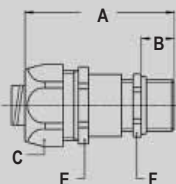
| Hiprojacket type | | Fitting thread size | | | Standard Package | Article Number | Weight (Kg/100) | |
|------------------|-------|---------------------|-----------|-------|------------------|----------------|-----------------|-----|
| Size (mm) | Aero | Industrial | ISO | Pg | | | | NPT |
| 13 / 10 | HJ-08 | HJ-I-06 | M16 x 1,5 | Pg 11 | 1/2" NPT | 50 | 817.512.0 | 0,6 |
| 16 / 13 | HJ-10 | HJ-I-08 | M20 x 1,5 | Pg 16 | 1/2" NPT | 50 | 817.516.0 | 0,6 |
| 22 / 19 | HJ-14 | HJ-I-12 | M25 x 1,5 | Pg 21 | 3/4" NPT | 25 | 817.520.0 | 1,0 |
| 25 | HJ-16 | HJ-I-16 | M32 x 1,5 | Pg 29 | 1" NPT | 10 | 817.526.0 | 1,2 |
| 35 / 32 | HJ-22 | HJ-I-20 | M40 x 1,5 | Pg 36 | 1.1/4" NPT | 5 | 817.535.0 | 2,0 |
| 38 | HJ-24 | HJ-I-24 | M50 x 1,5 | Pg 42 | 1.1/2" NPT | 5 | 817.540.0 | 4,2 |
| 51 | HJ-32 | HJ-I-32 | M63 x 1,5 | Pg 48 | 2" NPT | 4 | 817.550.0 | 9,0 |

ISO straight fitting, male, nickel plated brass (without clamping ring).



| Thread | Hiprojacket type | | Dimensions in mm | | | | | Standard Package | Article Number | Weight (Kg/100) |
|-----------|------------------|------------|------------------|----|----|---|----|------------------|----------------|-----------------|
| | Aero | Industrial | A | B | C | D | E | | | |
| M16 x 1,5 | HJ-08 | HJ-I-06 | 35 | 12 | 26 | - | 24 | 50 | 812.016.1 | 4,7 |
| M20 x 1,5 | HJ-10 | HJ-I-08 | 37 | 13 | 29 | - | 27 | 50 | 812.020.1 | 5,1 |
| M25 x 1,5 | HJ-14 | HJ-I-12 | 40 | 15 | 35 | - | 33 | 25 | 812.025.1 | 11,7 |
| M32 x 1,5 | HJ-16 | HJ-I-16 | 46 | 15 | 45 | - | 43 | 10 | 812.032.1 | 19,7 |
| M40 x 1,5 | HJ-22 | HJ-I-20 | 52 | 16 | 54 | - | 52 | 5 | 812.040.1 | 35,0 |
| M50 x 1,5 | HJ-24 | HJ-I-24 | 56 | 18 | 63 | - | 60 | 5 | 812.050.1 | 42,2 |
| M63 x 1,5 | HJ-32 | HJ-I-32 | 66 | 20 | 77 | - | 74 | 4 | 812.063.1 | 52,8 |

ISO cable-hose fitting, male, nickel plated brass. (without clamping ring).



| Thread | Hiprojacket | Clamping Range (mm) | Dimensions in mm | | | | | Standard Package | Article Number | Weight (Kg/100) |
|-----------|--------------|---------------------|------------------|----|----|----|----|------------------|----------------|-----------------|
| | | | A | B | C | E | F | | | |
| M16 x 1,5 | HJ-08 (I-06) | 4 - 8 | 57 | 12 | 26 | 24 | 18 | 25 | 812.715.2 | 6,0 |
| M16 x 1,5 | HJ-10 (I-08) | 4 - 8 | 57 | 12 | 26 | 24 | 18 | 25 | 812.716.1 | 7,8 |
| M20 x 1,5 | HJ-10 (I-08) | 6 - 10,2 | 57 | 12 | 26 | 24 | 22 | 25 | 812.717.1 | 9,5 |
| M20 x 1,5 | HJ-14 (I-12) | 6 - 12 | 59 | 12 | 29 | 27 | 22 | 25 | 812.720.1 | 9,7 |
| M25 x 1,5 | HJ-16 (I-16) | 10 - 13,9 | 62 | 12 | 29 | 27 | 27 | 25 | 812.722.1 | 11,7 |
| M32 x 1,5 | HJ-22 (I-20) | 13 - 18 | 70 | 15 | 35 | 33 | 34 | 25 | 812.728.1 | 19,6 |
| M40 x 1,5 | HJ-24 (I-24) | 18 - 23,8 | 83 | 15 | 45 | 43 | 43 | 10 | 812.735.1 | 35,4 |



Hiprojacket® Light:
Lightweight sleeving, moderate thermal protection.

The most economic alternative for less demanding situations. This Light Grade has a thinner construction of glass fibre and silicone rubber cover, but due to the thin silicon cover offers some short term flame protection and a small temperature reduction. Resistant to hydraulic fluids, lubricating oils and fuels, Hiprojacket Light offers limited protection against molten splash and occasional flames. Hiprojacket Light is frequently used to protect cables and wires in the machine- and apparatus-building.

Temperature: -55 °C till +260 °C continuous.
 Under flame till +538 °C for approx. 20 minutes.
 Radiation heat till +538 °C for approx. 20 minutes.
 Small molten metal splash till +1200 °C for 15-30 seconds.
Colour: Red.

Material & Construction:

Construction: Knitted sleeving from E-glass yarns.
Cover specifications: Iron-oxide silicon rubber. Excellent oil resistant, halogen-free, limited short term flame protection, limited temperature reduction.



| Hiprojacket Light | | | Diametre | | Standard carton | | Small carton | | Reels | | Weight (Kg/m) |
|-------------------|-------------|---------|-------------|--------------|-----------------|-------------|--------------|-------------|-------|-------------|---------------|
| Size (mm) | Size (Inch) | Type | Inside (mm) | Outside (mm) | Metre | Article No. | Metre | Article No. | Metre | Article No. | |
| | | | | | | Red | Red | | | | |
| 4 | 5/32" | HJ-L-02 | 4 | 6 | 200 | 355.004.5 | - | - | - | - | 0,01 |
| 6 | 1/4" | HJ-L-04 | 6 | 8 | 100 | 355.006.5 | - | - | - | - | 0,02 |
| 8 | 5/16" | HJ-L-05 | 8 | 10 | 100 | 355.008.5 | - | - | - | - | 0,03 |
| 10 | 3/8" | HJ-L-06 | 10 | 12 | 100 | 355.010.5 | - | - | - | - | 0,03 |
| 12 | 1/2" | HJ-L-08 | 12 | 14 | 100 | 355.012.5 | - | - | - | - | 0,04 |
| 16 | 5/8" | HJ-L-10 | 16 | 18 | 50 | 355.016.5 | - | - | - | - | 0,06 |
| 20 | 3/4" | HJ-L-12 | 20 | 22 | 50 | 355.020.5 | - | - | - | - | 0,08 |

ANAMET HEAT PROTECTION PRODUCTS

PROTECTION SLEEVE TYPE HIPOJACKET LIGHT

**ANAMET HEAT
PROTECTION
PRODUCTS**

**PROTECTION
TAPE TYPE
HIPROTAPE**



**Hiprotape®:
Tape from woven fiberglass yarns,
with red iron-oxide silicon rubber.**

Hiprotape provides the same heat protection as Hipro-jacket Industrial Grade, in the form of a band which can be wrapped around already installed cables, hoses and valves. Resistant to hydraulic fluids, lubricating oils and fuels, Hiprotape protects against molten splash, occasional flames, energy loss in piping and hoses; also protects employees from burns; allows "bundling" of wires, hoses and cables. Hiprotape is applicable to larger diameters pipe and allows installation in situations where it is impractical or impossible to disassemble existing cable and hose assemblies. Typically used in the glass, ceramics and steel industry, as well as in the machine- and apparatus-building.

Material & Construction:

Construction: Woven tape from E-glass yarns.

Cover specifications: Iron-oxide silicon rubber, excellent oil resistant, halogen-free, good short term flame



protection, good temperature reduction and withstands molten splash.

Temperature: -55 °C till +260 °C continuous.

Under flame till +800 °C for approx. 20 minutes.

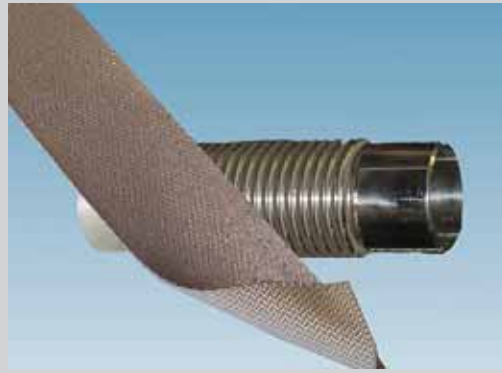
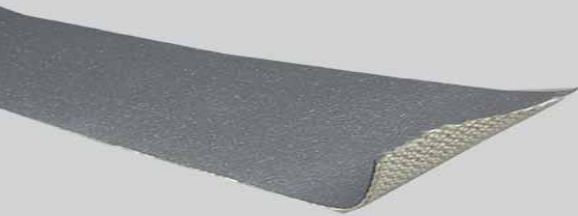
Radiation heat till +800 °C for approx. 20 minutes.

Molten metal splash till +1640 °C for 15-30 seconds.

Colour: Red.



| Hiprotape | | | Dimensions | | Standard carton | | Small carton | | Reels | | Weight |
|-----------|--------|------|------------|-----------|-----------------|-------------|--------------|-------------|-------|-------------|--------|
| Size | Size | Type | Width | Thickness | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m) |
| (mm) | (Inch) | | (mm) | (mm) | | Red | | Red | | Red | |
| 25 | 1" | HT-1 | 25 | 3 | 30 | 337.025.3 | 15 | 337.025.1 | - | - | 0,07 |
| 51 | 2" | HT-2 | 51 | 3 | 30 | 337.050.3 | 15 | 337.050.1 | - | - | 0,18 |
| 76 | 3" | HT-3 | 76 | 3 | 30 | 337.076.3 | 15 | 337.076.1 | - | - | 0,26 |
| 102 | 4" | HT-4 | 102 | 3 | 30 | 337.100.3 | 15 | 337.100.1 | - | - | 0,40 |
| 127 | 5" | HT-5 | 127 | 3 | 30 | 337.127.3 | 15 | 337.127.1 | - | - | 0,47 |



Hiprotape® Medium Light:
Tape from woven fiberglass yarns,
with thin single layer of silicon rubber.

Hiprotape Medium Light is the economical version of Hiprotape for less demanding applications. This tape can be wrapped around already installed cables, hoses and valves. Resistant to hydraulic fluids, lubricating oils and fuels, Hiprotape Medium Light provides limited protection against molten splash and occasional flames. Hiprotape Medium Light has excellent flame- and smoke properties. Typically used in machine- and apparatus-building.

Material & Construction:

Construction: Woven tape from heat treated E-glass yarns.

Cover specifications: Silicon rubber, single-sided, excellent oil resistant, halogen-free, limited short term flame protection, limited temperature reduction, withstands small

particles of molten splash.

Temperature: -55 °C till +260 °C continuous.

Under flame till +538 °C for approx. 20 minutes.

Radiation heat till +538 °C for approx. 20 minutes.

Small molten metal splash till +1200 °C for 15-30 seconds.

Colour: Grey.



| Hiprotape Medium Light | | | Dimensions | | Standard carton | | Small carton | | Reels | | Weight |
|------------------------|--------|---------|------------|-----------|-----------------|-------------|--------------|-------------|-------|-------------|--------|
| Size | Size | Type | Width | Thickness | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m) |
| (mm) | (Inch) | | (mm) | (mm) | | Grey | | Grey | | Grey | |
| 25 | 1" | HT-ML-1 | 25 | 1,55 | 15 | 356.625.1 | - | - | 30 | 356.625.3 | - |
| 51 | 2" | HT-ML-2 | 51 | 1,55 | 15 | 356.650.1 | - | - | 30 | 356.650.3 | - |
| 76 | 3" | HT-ML-3 | 76 | 1,55 | 15 | 356.676.1 | - | - | 30 | 356.676.3 | - |
| 102 | 4" | HT-ML-4 | 102 | 1,55 | 15 | 356.699.1 | - | - | 30 | 356.699.3 | - |

**ANAMET HEAT
 PROTECTION
 PRODUCTS**

**PROTECTION
 TAPE TYPE
 HIPROTAPE
 MEDIUM LIGHT**



Hiprotape® Light:
Tape from woven fiberglass yarns,
with thin double layer of silicon rub-
ber.

Hiprotape Light is the economical version of Hiprotape for less demanding applications. This tape can be wrapped around already installed cables, hoses and valves. Resistant to hydraulic fluids, lubricating oils and fuels, Hiprotape Light provides limited protection against molten splash and occasional flames. Typically used in machine- and apparatus-building.

Temperature: -55 °C till +260 °C continuous.
 Under flame till +538 °C for approx. 20 minutes.
 Radiation heat till +538 °C for approx. 20 minutes.
 Small molten metal splash till +1200 °C for 15-30 seconds.
Colour: Grey.

Material & Construction:

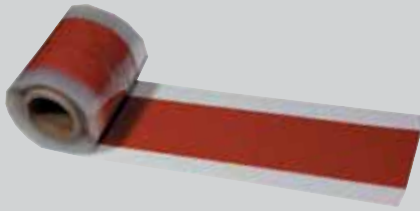
Construction: Woven tape from E-glass yarns.
Cover specifications: Silicon rubber, double-sided, excellent oil resistant, halogen-free, limited short term flame protection, limited temperature reduction, withstands small particles of molten splash.



**ANAMET HEAT
 PROTECTION
 PRODUCTS**

**PROTECTION
 TAPE TYPE
 HIPROTAPE
 LIGHT**

| Hiprotape Light | | | Dimensions | | Standard carton | | Small carton | | Reels | | Weight |
|-----------------|--------|--------|------------|-----------|-----------------|-------------|--------------|-------------|-------|-------------|--------|
| Size | Size | Type | Width | Thickness | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m) |
| (mm) | (Inch) | | (mm) | (mm) | | Grey | | Grey | | Grey | |
| 25 | 1" | HT-L-1 | 25 | 0,55 | 15 | 337.625.1 | - | - | 30 | 337.625.3 | - |
| 51 | 2" | HT-L-2 | 51 | 0,55 | 15 | 337.650.1 | - | - | 30 | 337.650.3 | - |
| 76 | 3" | HT-L-3 | 76 | 0,55 | 15 | 337.676.1 | - | - | 30 | 337.676.3 | - |
| 102 | 4" | HT-L-4 | 102 | 0,55 | 15 | 337.699.1 | - | - | 30 | 337.699.3 | - |



Hiprosiltape®:
Tape from self-fusing silicone rubber.

Hiprosiltape is specially formulated to adhere to itself and is used to seal the ends of Hiprojacket and Hiprotape. Neatly applied over the transition from the Hiprojacket/Hiprotape to the surface of the hose or conduit being protected, the self-fusing tape provides a cohesive moisture resistant barrier. Conforming smoothly when wrapped around even complex shapes, the tape bonds at room temperature into a single inseparable layer after 24 hours. The product remains non-tacky to touch and is inherently flame retardant, providing a superior alternative to the standard band clamp.

Temperature: -55 °C till +260 °C continuous.
Colour: Red & black, on request also available in other colours.

Material & Construction:

Construction: Unsupported silicone rubber tape, self-fusing, ideal to seal-off.

Cover specifications: Self-fusing silicon rubber, excellent oil resistant, halogen-free, inherently flame-retardant.



| Hiprosiltape | | | Dimensions | | Standard carton | | Small carton | | Reels | | Weight |
|--------------|--------|--------|------------|-----------|-----------------|-------------|--------------|-------------|-------|-------------|--------|
| Size | Size | Type | Width | Thickness | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m) |
| (mm) | (Inch) | | (mm) | (mm) | | Red | | Red | | Red | |
| 25 | 1" | HST-16 | 25 | 0,5 | 11 | 337.525.1 | - | - | - | - | 0,02 |
| 38 | 1.1/2" | HST-24 | 38 | 0,5 | 11 | 337.538.1 | - | - | - | - | 0,02 |

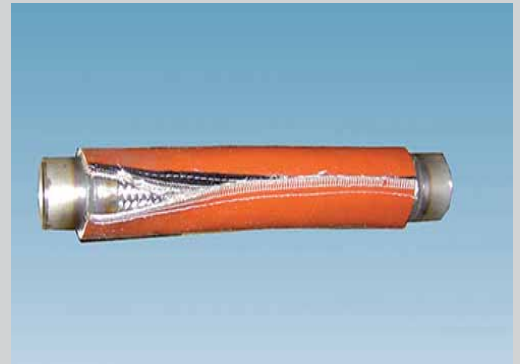
| Hiprosiltape | | | Dimensions | | Standard carton | | Small carton | | Reels | | Weight |
|--------------|--------|---------|------------|-----------|-----------------|--------------|--------------|--------------|-------|--------------|--------|
| Size | Size | Type | Width | Thickness | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m) |
| (mm) | (Inch) | | (mm) | (mm) | | Black | | Black | | Black | |
| 25 | 1" | HSTB-16 | 25 | 0,5 | 11 | 337.425.1 | - | - | - | - | 0,02 |
| 38 | 1.1/2" | HSTB-24 | 38 | 0,3 | 11 | 337.438.1 | - | - | - | - | 0,02 |

**ANAMET HEAT
PROTECTION
PRODUCTS**

**PROTECTION
TAPE TYPE
HIPROSILTAPE**

ANAMET HEAT PROTECTION PRODUCTS

PROTECTION BLANKET TYPE HIPO-BLANKET WRAP (HEAVY)



**Hiproblanket Wrap H:
Blanket from woven glass fibre yarns,
with red iron-oxide silicon rubber and
hook & loop closure.**

The heatprotection of Hiproblanket in a split retro-fit form for quick installation on existing cables and hoses. Resistant to hydraulic fluids, lubricating oils and fuels, Hiproblanket Wrap protects against molten splash, occasional flames, energy loss in piping and hoses; also protects employees from burns; allows "bundling" of wires, hoses and cables. Hiproblanket Wrap is standard available up to 95 mm in diameter and allows quick installation in-situ without the need to dismantle and reconnect fittings. Also repair of existing installations can be performed with a minimum of labor and downtime. Typically used in the basic glass, ceramics and steel industry.

Material & Construction:

Construction: Remountable sleeve from woven E-glass blanket, with polyester hook & loop closure.

Cover specifications: Iron-oxide silicon rubber, excellent

oil resistant, halogen-free, good short term flame protection, good temperature reduction, withstands molten splash. Hiproblanket Wrap H enables a finished assembly to be certified to MIL-I-24244, ASTM E84.84A, ASTM E162.

Weight material: 3,26 Kg/m²

Temperature: -55 °C till +260 °C continuous.

Under flame till +800 °C for approx. 20 minutes.

Radiation heat till +800 °C for approx. 20 minutes.

Molten metal splash till +1640 °C for 15-30 seconds.

Temperature Wrap closure: +110 °C continuous. Till +350 °C shortly. For higher temperatures additional securing with hiprosiltape or stainless steel turnbuckles (see page 14) is recommended.

Colour: Red.



| Hiproblanket Wrap Heavy | | | Diametre | | Random Length | | Standard carton | | Reels | | Weight (Kg/m) |
|-------------------------|-------------|----------|-------------|--------------|---------------|-------------|-----------------|-------------|-------|-------------|---------------|
| Size (mm) | Size (Inch) | Type | Inside (mm) | Outside (mm) | Metre | Article No. | Metre | Article No. | Metre | Article No. | |
| | | | | | | Red | Red | Red | Red | Red | |
| 25 | 1" | HBW-H-16 | 25 | 32 | 1 | 336.525.0 | 15 | 336.525.1 | 45 | 336.525.6 | 0,41 |
| 32 | 1.1/4" | HBW-H-20 | 32 | 39 | 1 | 336.532.0 | 15 | 336.532.1 | 45 | 336.532.6 | 0,48 |
| 38 | 1.1/2" | HBW-H-24 | 38 | 45 | 1 | 336.538.0 | 15 | 336.538.1 | 45 | 336.538.6 | 0,54 |
| 44 | 1.3/4" | HBW-H-28 | 44 | 51 | 1 | 336.544.0 | 15 | 336.544.1 | 45 | 336.544.6 | 0,60 |
| 51 | 2" | HBW-H-32 | 51 | 58 | 1 | 336.551.0 | 15 | 336.551.1 | 45 | 336.551.6 | 0,66 |
| 57 | 2.1/4" | HBW-H-36 | 57 | 64 | 1 | 336.557.0 | 15 | 336.557.1 | 45 | 336.557.6 | 0,73 |
| 64 | 2.1/2" | HBW-H-40 | 64 | 71 | 1 | 336.564.0 | 15 | 336.564.1 | 45 | 336.564.6 | 0,80 |
| 70 | 2.3/4" | HBW-H-44 | 70 | 77 | 1 | 336.570.0 | 15 | 336.570.1 | 45 | 336.570.6 | 0,86 |
| 76 | 3" | HBW-H-48 | 76 | 83 | 1 | 336.576.0 | 15 | 336.576.1 | 45 | 336.576.6 | 0,93 |
| 83 | 3.1/4" | HBW-H-52 | 83 | 90 | 1 | 336.583.0 | 15 | 336.583.1 | 45 | 336.583.6 | 1,00 |
| 89 | 3.1/2" | HBW-H-56 | 89 | 96 | 1 | 336.589.0 | 15 | 336.589.1 | 45 | 336.589.6 | 1,06 |
| 95 | 3.3/4" | HBW-H-60 | 95 | 102 | 1 | 336.595.0 | 15 | 336.595.1 | 45 | 336.595.6 | 1,12 |



Hiproblanket Wrap H-TB:
Blanket from woven glass fibre yarns,
with red iron-oxide silicon rubber,
hook & loop closure and turnbuckles.



The heatprotection of Hiproblanket in a split retro-fit form for quick installation on existing cables and hoses. Resistant to hydraulic fluids, lubricating oils and fuels, Hiproblanket Wrap with turnbuckles protects against molten splash, occasional flames, energy loss in piping and hoses; also protects employees from burns; allows "bundling" of wires, hoses and cables. Hiproblanket Wrap with turnbuckles is standard available up to 305 mm in diameter and allows quick installation in-situ without the need to dismantle and reconnect fittings. Also repair of existing installations can be performed with a minimum of labor and downtime. Typically used in the basic glass, ceramics and steel industry.

Material & Construction:

Construction: Remountable sleeve from woven E-glass blanket, with polyester hook & loop closure and with at every 30 cm an additional nickel plated brass turnbuckle.

Cover specifications: Iron-oxide silicon rubber, excellent oil resistant, halogen-free, good short term flame protection, good temperature reduction, withstands molten splash. Hiproblanket Wrap H-TB enables a finished assembly to be certified to MIL-I-24244, ASTM E84.84A, ASTM E162.
Weight material: 3,26 Kg/m²
Temperature: -55 °C till +260 °C continuous.
 Under flame till +800 °C for approx. 20 minutes.
 Radiation heat till +800 °C for approx. 20 minutes.
 Molten metal splash till +1640 °C for 15-30 seconds.
Colour: Red.



| Hiproblanket Wrap Heavy TB | | | Diametre | | Random Length | | Standard carton | | Reels | | Weight (Kg/m) |
|----------------------------|---------|-------------|----------|---------|---------------|-------------|-----------------|-------------|-------|-------------|---------------|
| Size | Size | Type | Inside | Outside | Metre | Article No. | Metre | Article No. | Metre | Article No. | |
| (mm) | (Inch) | | (mm) | (mm) | | Red | | Red | | Red | |
| 102 | 4" | HBW-HTB-64 | 102 | 109 | 1 | 336.940.0 | 15 | 336.940.1 | 45 | 336.940.6 | 1,29 |
| 114 | 4.1/2" | HBW-HTB-72 | 114 | 121 | 1 | 336.945.0 | 15 | 336.945.1 | 45 | 336.945.6 | 1,41 |
| 127 | 5" | HBW-HTB-80 | 127 | 134 | 1 | 336.950.0 | 15 | 336.950.1 | 45 | 336.950.6 | 1,55 |
| 140 | 5.1/2" | HBW-HTB-88 | 140 | 147 | 1 | 336.955.0 | 15 | 336.955.1 | 45 | 336.955.6 | 1,68 |
| 152 | 6" | HBW-HTB-96 | 152 | 159 | 1 | 336.960.0 | 15 | 336.960.1 | 45 | 336.960.6 | 1,80 |
| 165 | 6.1/2" | HBW-HTB-104 | 165 | 172 | 1 | 336.965.0 | 15 | 336.965.1 | 45 | 336.965.6 | 1,93 |
| 178 | 7" | HBW-HTB-112 | 178 | 185 | 1 | 336.970.0 | 15 | 336.970.1 | 45 | 336.970.6 | 2,07 |
| 191 | 7.1/2" | HBW-HTB-120 | 191 | 198 | 1 | 336.975.0 | 15 | 336.975.1 | 45 | 336.975.6 | 2,20 |
| 203 | 8" | HBW-HTB-128 | 203 | 210 | 1 | 336.980.0 | 15 | 336.980.1 | 45 | 336.980.6 | 2,32 |
| 216 | 8.1/2" | HBW-HTB-136 | 216 | 223 | 1 | 336.985.0 | 15 | 336.985.1 | 45 | 336.985.6 | 2,45 |
| 229 | 9" | HBW-HTB-144 | 229 | 236 | 1 | 336.990.0 | 15 | 336.990.1 | 45 | 336.990.6 | 2,59 |
| 241 | 9.1/2" | HBW-HTB-152 | 241 | 248 | 1 | 336.991.0 | 15 | 336.991.1 | 45 | 336.991.6 | 2,71 |
| 254 | 10" | HBW-HTB-160 | 254 | 261 | 1 | 336.992.0 | 15 | 336.992.1 | 45 | 336.992.6 | 2,84 |
| 267 | 10.1/2" | HBW-HTB-168 | 267 | 274 | 1 | 336.994.0 | 15 | 336.994.1 | 45 | 336.994.6 | 2,98 |
| 279 | 11" | HBW-HTB-176 | 279 | 286 | 1 | 336.996.0 | 15 | 336.996.1 | 45 | 336.996.6 | 3,10 |
| 292 | 11.1/2" | HBW-HTB-184 | 292 | 299 | 1 | 336.998.0 | 15 | 336.998.1 | 45 | 336.998.6 | 3,24 |
| 305 | 12" | HBW-HTB-192 | 305 | 312 | 1 | 336.999.0 | 15 | 336.999.1 | 45 | 336.999.6 | 3,37 |

ANAMET HEAT PROTECTION PRODUCTS

PROTECTION BLANKET TYPE HIPRO-BLANKET WRAP H-TB (HEAVY WITH TURN-BUCKLES)

**ANAMET HEAT
PROTECTION
PRODUCTS**

**PROTECTION
BLANKET
TYPE HIPO-
BLANKET WRAP
(MEDIUM LIGHT)**



**Hiproblanket Wrap Medium Light:
Blanket from woven glass fibre yarns,
with thin single layer of silicon rubber
and hook & loop closure.**

The Hiproblanket Medium Light in a split retro-fit form is an economical solution for quick installation on existing cables and hoses. Resistant to hydraulic fluids, lubricating oils and fuels, Hiproblanket Wrap Light provides limited protection against molten splash, occasional flames; allows "bundling" of wires, hoses and cables. Hiproblanket Wrap Medium Light allows quick installation in-situ without the need to dismantle and reconnect fittings. Also repair of existing installations can be performed with a minimum of labor and downtime. Typically used in the basic industry.

Material & Construction:

Construction: Remountable sleeve from glass fibre yarns.
Cover specifications: Silicon rubber, single-sided, excellent oil resistant, halogen-free, limited short term flame protection, limited temperature reduction, withstands small

particles of molten splash.

Temperature: -55 °C till +260 °C continuous.

Under flame till +538 °C for approx. 20 minutes.

Radiation heat till +538 °C for approx. 20 minutes.

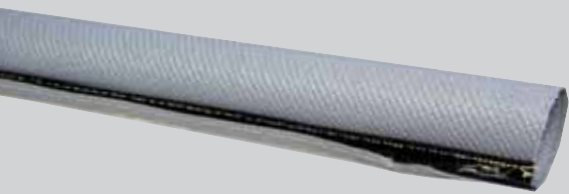
Small molten metal splash till +1200 °C for 15-30 seconds.

Temperature Wrap closure: +110 °C continuous. Till +350 °C shortly. For higher temperatures additional securing with hiprosiltape is recommended.

Colour: Grey.



| Hiproblanket Wrap Medium Light | | | Diametre | | Random Length | | Standard carton | | Reels | | Weight |
|--------------------------------|--------|-----------|----------|---------|---------------|-------------|-----------------|-------------|-------|-------------|--------|
| Size | Size | Type | Inside | Outside | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m) |
| (mm) | (Inch) | | (mm) | (mm) | | Grey | | Grey | | Grey | |
| 25 | 1" | HBW-ML-16 | 25 | 27 | 1 | 356.725.0 | 7,5 | 356.725.1 | 15 | 356.725.3 | - |
| 38 | 1.1/2" | HBW-ML-24 | 38 | 40 | 1 | 356.738.0 | 7,5 | 356.738.1 | 15 | 356.738.3 | - |
| 51 | 2" | HBW-ML-32 | 51 | 53 | 1 | 356.751.0 | 7,5 | 356.751.1 | 15 | 356.751.3 | - |
| 76 | 3" | HBW-ML-48 | 76 | 78 | 1 | 356.776.0 | 7,5 | 356.776.1 | 15 | 356.776.3 | - |
| 102 | 4" | HBW-ML-64 | 102 | 104 | 1 | 356.799.0 | 7,5 | 356.799.1 | 15 | 356.799.3 | - |



**Hiproblanket Wrap L:
Blanket from woven glass fibre yarns,
with thin double layer of silicon rubber
and hook & loop closure.**

The Hiproblanket Light in a split retro-fit form is an economical solution for quick installation on existing cables and hoses. Resistant to hydraulic fluids, lubricating oils and fuels, Hiproblanket Wrap Light provides limited protection against molten splash, occasional flames; allows "bundling" of wires, hoses and cables. Hiproblanket Wrap Light allows quick installation in-situ without the need to dismantle and reconnect fittings. Also repair of existing installations can be performed with a minimum of labor and downtime. Typically used in the basic industry.

Material & Construction:

Construction: Remountable sleeve from glass fibre yarns.

Cover specifications: Silicon rubber, double-sided, excellent oil resistant, halogen-free, limited short term flame protection, limited temperature reduction, withstands small

particles of molten splash.

Temperature: -55 °C till +260 °C continuous.

Under flame till +538 °C for approx. 20 minutes.

Radiation heat till +538 °C for approx. 20 minutes.

Small molten metal splash till +1200 °C for 15-30 seconds.

Temperature Wrap closure: +110 °C continuous. Till +350 °C shortly. For higher temperatures additional securing with hiprosiltape is recommended.

Colour: Grey.



| Hiproblanket Wrap Light | | | Diametre | | Random Length | | Standard carton | | Reels | | Weight |
|-------------------------|--------|----------|----------|---------|---------------|-------------|-----------------|-------------|-------|-------------|--------|
| Size | Size | Type | Inside | Outside | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m) |
| (mm) | (Inch) | | (mm) | (mm) | | Grey | | Grey | | Grey | |
| 25 | 1" | HBW-L-16 | 25 | 27 | 1 | 337.725.0 | 7,5 | 337.725.1 | 15 | 337.725.3 | - |
| 38 | 1.1/2" | HBW-L-24 | 38 | 40 | 1 | 337.738.0 | 7,5 | 337.738.1 | 15 | 337.738.3 | - |
| 51 | 2" | HBW-L-32 | 51 | 53 | 1 | 337.751.0 | 7,5 | 337.751.1 | 15 | 337.751.3 | - |
| 64 | 2.1/2" | HBW-L-40 | 64 | 66 | 1 | 337.764.0 | 7,5 | 337.764.1 | 15 | 337.764.3 | - |
| 76 | 3" | HBW-L-48 | 76 | 78 | 1 | 337.776.0 | 7,5 | 337.776.1 | 15 | 337.776.3 | - |
| 89 | 3.1/2" | HBW-L-56 | 89 | 91 | 1 | 337.789.0 | 7,5 | 337.789.1 | 15 | 337.789.3 | - |
| 102 | 4" | HBW-L-64 | 102 | 104 | 1 | 337.799.0 | 7,5 | 337.799.1 | 15 | 337.799.3 | - |

**ANAMET HEAT
PROTECTION
PRODUCTS**

**PROTECTION
BLANKET
TYPE HIPRO-
BLANKET WRAP
(LIGHT)**

**ANAMET HEAT
PROTECTION
PRODUCTS**

**SEALING AND
PROTECTION
ROPE
TYPE HIPRO-
ROPE**



Hiprope:
Rope from knitted E-glass fibre yarns,
with red iron-oxide silicon rubber
cover.

Hiprope is designed to provide a seal in environments that are exposed to the hazards of high heat and occasional flame. The rope is made of knitted type E-glass fibre and then coated with a high grade silicone rubber. Thru its silicone rubber cover the rope is protected from saturation of liquids from outside and withstands molten splash of metal and glass till +1650 °C. Hiprope is resistant to hydraulic fluids, lubricating oils and fuels. Hiprope is typically used in the basic glass, ceramics and steel industry.

Material & Construction:

Construction: Knitted rope from woven E-glass yarns.
Cover specifications: Iron-oxide silicon rubber, excellent oil resistant, halogen-free, good short term flame protection, withstands molten splash.

Temperature: -55 °C till +260 °C continuous.
Under flame till +800 °C for approx. 20 minutes.
Radiation heat till +800 °C for approx. 20 minutes.
Molten metal splash till +1640 °C for 15-30 seconds.
Colour: Red.

Physical properties E-glass fibre:

Tensile strength: 3093 - 3438 N/mm².
Elastic recovery: 100 %
Breaking elongation : 4,81% standard and wet.



| Hiprope | | | Diametre | | Random Length | | Standard carton | | Reels | | Weight |
|---------|--------|-------|----------|---------|---------------|-------------|-----------------|-------------|-------|-------------|--------|
| Size | Size | Type | Inside | Outside | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m) |
| (mm) | (Inch) | | (mm) | (mm) | | Red | | Red | | Red | |
| 6 | 1/4" | HR-04 | - | 6 | 30 | 345.006.3 | - | - | - | - | - |
| 10 | 3/8" | HR-06 | - | 10 | 30 | 345.010.3 | - | - | - | - | - |
| 13 | 1/2" | HR-08 | - | 13 | 30 | 345.013.3 | - | - | - | - | - |
| 16 | 5/8" | HR-10 | - | 16 | 30 | 345.016.3 | - | - | - | - | - |
| 19 | 3/4" | HR-12 | - | 19 | 30 | 345.019.3 | - | - | - | - | - |
| 22 | 7/8" | HR-14 | - | 22 | 30 | 345.022.3 | - | - | - | - | - |
| 25 | 1" | HR-16 | - | 25 | 30 | 345.025.3 | - | - | - | - | - |
| 29 | 1.1/8" | HR-18 | - | 29 | 30 | 345.029.3 | - | - | - | - | - |
| 32 | 1.1/4" | HR-20 | - | 32 | 30 | 345.032.3 | - | - | - | - | - |
| 35 | 1.3/8" | HR-22 | - | 35 | 30 | 345.035.3 | - | - | - | - | - |
| 38 | 1.1/2" | HR-24 | - | 38 | 30 | 345.038.3 | - | - | - | - | - |
| 41 | 1.5/8" | HR-26 | - | 41 | 30 | 345.041.3 | - | - | - | - | - |
| 44 | 1.3/4" | HR-28 | - | 44 | 30 | 345.044.3 | - | - | - | - | - |



Thermojacket S: Braided sleeving from E-glass, with an acrylic saturant coating.

The braided glass fibre sleeving is coated with an acrylic saturant coating, which adds rigidity and abrasive strength to the product and reduces the likelihood of endfray. Thanks to this rigidity the Thermojacket S is easy to apply over long lengths of hose or cable and the large braid angle allows for significant expansion of the sleeve if necessary (for instance with in-line couplings or bigger cable-splices). The material resists most acids and alkalis; is unaffected by most bleaches and solvents. In the field of cable protection, a complete program of Thermojacket fittings is available for easy installation. Thermojacket S doesnot withstand molten splash like Hiprojacket does, but offers good heatprotection at higher continuous temperatures than are possible for Hiprojacket. Applications include thermal insulation and protecting of cables and hoses in the glass, ceramics and steel industry as well as in the apparatus- and machine-building industry. On demand also available with Vermiculite coating which will withstand extended exposure to temperatures up

to +815 °C or completely made from silica with a continuous operating temperature up to +1090 °C.

Material & Construction:

Construction: Braided E-glass sleeving, basic fibre produced according ASTM D-578, with acrylic saturant coating; high continuous temperature, halogen-free, good thermal insulation, abrasion resistant, no end-fray, easy installation for long lengths.

The resistance to acids is fair and to most alkalis is good. Thermojacet S has a high resistance against bleaches and solvents.

Temperature: -55 °C till +538 °C continuous.

Colour: Gold.



| Thermojacket S | | | Diametre | | Standard carton | | Small carton | | Reels | | Weight |
|----------------|--------|-------|----------|----------|-----------------|-------------|--------------|-------------|-------|-------------|--------|
| Size | Size | Type | Inside | Outside | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m) |
| (#) | (Inch) | | (mm) | (mm) | | Gold | | Gold | | Gold | |
| 4 | 1/4" | TJ-04 | 5 - 10 | 7 - 12 | 30 | 336.604.3 | 15 | 336.604.1 | 180 | 336.604.8 | 0,02 |
| 6 | 3/8" | TJ-06 | 8 - 15 | 10 - 17 | 30 | 336.606.3 | 15 | 336.606.1 | 120 | 336.606.8 | 0,04 |
| 10 | 5/8" | TJ-10 | 12 - 30 | 14 - 32 | 30 | 336.610.3 | 15 | 336.610.1 | 75 | 336.610.8 | 0,08 |
| 14 | 7/8" | TJ-14 | 20 - 50 | 22 - 52 | 30 | 336.614.3 | 15 | 336.614.1 | 60 | 336.614.8 | 0,15 |
| 22 | 1.3/8" | TJ-22 | 30 - 65 | 32 - 67 | 30 | 336.622.3 | 15 | 336.622.1 | 45 | 336.622.8 | 0,20 |
| 44 | 2.3/4" | TJ-44 | 50 - 125 | 52 - 127 | 30 | 336.644.3 | 15 | 336.644.1 | - | - | 0,30 |

Special remarks: Thermojacket S is a braided sleeve and for this reason very flexible. Due to its flexibility it can be expanded, so different sizes can be covered with one and the same type of Thermojacket S.

Please notice that when the sleeve is expanded, more meters are necessary to cover the same length, as indicated in the table below.

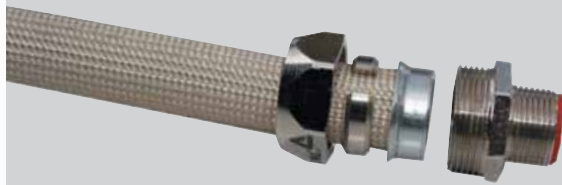
TJ-04 on 6 mm core: 1,00 metre TJ is needed to cover 1,00 metre core.
 TJ-06 on 10 mm core: 1,00 metre TJ is needed to cover 1,00 metre core.
 TJ-06 on 13 mm core: 1,25 metre TJ is needed to cover 1,00 metre core.
 TJ-10 on 16 mm core: 1,00 metre TJ is needed to cover 1,00 metre core.
 TJ-10 on 19 mm core: 1,15 metre TJ is needed to cover 1,00 metre core.
 TJ-14 on 25 mm core: 1,02 metre TJ is needed to cover 1,00 metre core.
 TJ-14 on 32 mm core: 1,08 metre TJ is needed to cover 1,00 metre core.
 TJ-22 on 38 mm core: 1,06 metre TJ is needed to cover 1,00 metre core.
 TJ-22 on 52 mm core: 1,17 metre TJ is needed to cover 1,00 metre core.
 TJ-44 on 76 mm core: 1,16 metre TJ is needed to cover 1,00 metre core.
 TJ-44 on 102 mm core: 1,51 metre TJ is needed to cover 1,00 metre core.

The fittings for Thermojacket S are outlined
on page 19.



ANAMET HEAT PROTECTION PRODUCTS

FITTINGS FOR THERMO-JACKET S IP 40



Anaconda nickel plated brass fittings for Anamet Thermo jacket S.

To fit the Thermo jacket S you can use the standard Anaconda fittings (which are being used for Sealtite), if you replace their standard polyamide clamping rings with the special metal clamping rings mentioned here under. The fittings are also available in 45° - 90° and in stainless steel.

Material & Construction:

Construction: Nickel plated brass fitting, consisting of 4 parts (counter nut, clamping ring, ferrule and body).

Material: Counter nut, body, clamping ring and ferrule are nickel plated brass with exception of size 3/8" till 1" where the ferrule is from galvanised steel. Inserts are made from PA6 (red for ISO metric, blue for Pg and white for NPT).

Temperature: -45 °C till +105 °C continuous (cable-hose-fittings till +300 °C on request).

Protection class: IP 40.

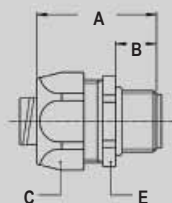
Colour: Metal.

Clamping ring, nickel plated brass, for combination with Thermo jacket S.



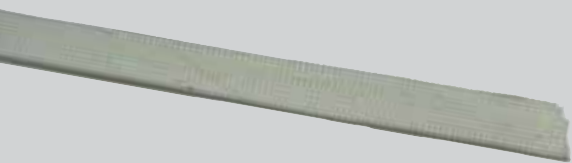
| Thermo jacket S | | Min. Internal Bore (mm) | Fitting thread size | | | Standard Package | Article Number | Weight (Kg/100) |
|-----------------|-------|-------------------------|---------------------|-------|------------|------------------|----------------|-----------------|
| Size (#) | Typ | | ISO | Pg | NPT | | | |
| 6 | TJ-06 | - | M16 x 1,5 | Pg 11 | 1/2" NPT | 50 | 817.612.0* | 0,6 |
| 10 | TJ-10 | - | M20 x 1,5 | Pg 16 | 1/2" NPT | 50 | 817.616.0 | 0,6 |
| 10 | TJ-10 | - | M25 x 1,5 | Pg 21 | 3/4" NPT | 25 | 817.620.0 | 1,0 |
| 14 | TJ-14 | - | M32 x 1,5 | Pg 29 | 1" NPT | 10 | 817.626.0 | 1,2 |
| 14 | TJ-14 | - | M40 x 1,5 | Pg 36 | 1.1/4" NPT | 5 | 817.635.0* | 2,0 |
| 22 | TJ-22 | - | M50 x 1,5 | Pg 42 | 1.1/2" NPT | 5 | 817.640.0* | 4,2 |
| 22 | TJ-22 | - | M63 x 1,5 | Pg 48 | 2" NPT | 4 | 817.650.0* | 9,0 |

ISO straight fitting, male, nickel plated brass (without clamping ring).



| Thread ISO | Thermo jacket Size (#) | Min. Internal Bore (mm) | Dimensions in mm | | | | | Standard Package | Article Number | Weight (Kg/100) |
|------------|------------------------|-------------------------|------------------|----|----|---|----|------------------|----------------|-----------------|
| | | | A | B | C | D | E | | | |
| M16 x 1,5 | 6 | 10,2 | 35 | 12 | 26 | - | 24 | 50 | 812.016.1 | 4,7 |
| M20 x 1,5 | 10 | 13,9 | 37 | 13 | 29 | - | 27 | 50 | 812.020.1 | 5,1 |
| M25 x 1,5 | 10 | 18,5 | 40 | 15 | 35 | - | 33 | 25 | 812.025.1 | 11,7 |
| M32 x 1,5 | 14 | 23,8 | 46 | 15 | 45 | - | 43 | 10 | 812.032.1 | 19,7 |
| M40 x 1,5 | 14 | 31,8 | 52 | 16 | 54 | - | 52 | 5 | 812.040.1 | 35,0 |
| M50 x 1,5 | 22 | 36,8 | 56 | 18 | 63 | - | 60 | 5 | 812.050.1 | 42,2 |
| M63 x 1,5 | 22 | 47,8 | 66 | 20 | 77 | - | 74 | 4 | 812.063.1 | 52,8 |

* Please note that for the marked sizes a double layer of teflon tape or Hipsosiltape is recommended around the ferrule. This to guarantee the right pull-out strength.



**Thermojacket L:
Braided sleeving from type E-glass,
non-treated.**

The most economic solution for less demanding situations. Compared to the standard Thermojacket, this Grade L is not heat treated, which makes it limited abrasion resistant. The material resists most acids and alkalis; is unaffected by most bleaches and solvents. Thermojacket Grade L is especially used in static applications with moderate heat radiation, and where limited thermal insulation of cables and hoses is needed. Typical field of application is in the apparatus- and machine-building industry (for example on motors, heaters, ovens, etc.).

Material & Construction:

Construction: Braided E-glass sleeving; high continuous temperature, halogen-free, moderate thermal insulation, soft-flexible, light weight.

Temperature: -55 °C till +538 °C continuous.

Colour: White.



| Thermojacket L | | | Diametre | | Standard carton | | Small carton | | Reels | | Weight (Kg/m) |
|----------------|-------------|---------|-------------|--------------|-----------------|-------------|--------------|-------------|-------|-------------|---------------|
| Size (#) | Size (Inch) | Type | Inside (mm) | Outside (mm) | Metre | Article No. | Metre | Article No. | Metre | Article No. | |
| | | | | | | White | | White | | White | |
| 2 | 5/32" | TJ-L-02 | 4 | 5 | 500 | 357.102.8 | - | - | - | - | 0,01 |
| 4 | 1/4" | TJ-L-04 | 6 | 7 | 300 | 357.104.8 | - | - | - | - | 0,01 |
| 5 | 5/16" | TJ-L-05 | 8 | 9 | 300 | 357.105.8 | - | - | - | - | 0,02 |
| 6 | 3/8" | TJ-L-06 | 10 | 11 | 300 | 357.106.8 | - | - | - | - | 0,02 |
| 8 | 1/2" | TJ-L-08 | 12 | 13 | 200 | 357.108.8 | - | - | - | - | 0,02 |
| 10 | 5/8" | TJ-L-10 | 15 | 16 | 200 | 357.110.8 | - | - | - | - | 0,04 |
| 12 | 3/4" | TJ-L-12 | 20 | 21 | 100 | 357.112.8 | - | - | - | - | 0,06 |
| 16 | 1" | TJ-L-16 | 25 | 26 | 100 | 357.116.8 | - | - | - | - | 0,08 |
| 18 | 1.1/8" | TJ-L-18 | 30 | 31 | 100 | 357.118.8 | - | - | - | - | 0,10 |
| 22 | 1.3/8" | TJ-L-22 | 34 | 35 | 50 | 357.122.8 | - | - | - | - | 0,12 |

**ANAMET HEAT
PROTECTION
PRODUCTS**

**PROTECTION
SLEEVE TYPE
THERMO-
JACKET L
(LIGHT)**

**ANAMET HEAT
PROTECTION
PRODUCTS**

**PROTECTION
TAPE TYPE
THERMOTAPE**



**Thermotape:
Woven tape from type E-glass.**

Thermotape provides the same heat protection as Thermojacket S, in the form of a band which can be wrapped around already installed cables, hoses and valves. Thermotape protects against, energy loss in piping and hoses; also protects employees from burns; allows "bundling" of wires, hoses and cables. Thermotape is applicable to larger diameters pipe and allows installation in situations where it is impractical or impossible to disassemble existing cable and hose assemblies. Typically used in the glass, ceramics and steel industry, as well as in the machine- and apparatus-building. Applications include boiler, coke oven, industrial oven and woodstove doors.

Material & Construction:

Construction: Woven E-glass tape, high continuous temperature, halogen-free, good thermal insulation, soft-flexible.

Temperature: -55 °C till +538 °C continuous.

Colour: White.



| Thermotape | | | Dimensions | | Standard carton | | Small carton | | Reels | | Weight |
|------------|--------|------|------------|-----------|-----------------|--------------|--------------|--------------|-------|--------------|--------|
| Size | Size | Type | Width | Thickness | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m) |
| (mm) | (Inch) | | (mm) | (mm) | | White | | White | | White | |
| 25 | 1" | TT-1 | 25 | 3 | 30 | 337.225.3 | 15 | 337.225.1 | - | - | - |
| 51 | 2" | TT-2 | 51 | 3 | 30 | 337.250.3 | 15 | 337.250.1 | - | - | - |
| 76 | 3" | TT-3 | 76 | 3 | 30 | 337.276.3 | 15 | 337.276.1 | - | - | - |
| 102 | 4" | TT-4 | 102 | 3 | 30 | 337.299.3 | 15 | 337.299.1 | - | - | - |



Thermoblanket Heavy:
Blanket from woven E-glass yarns.

A woven blanket of E-glass fibre provides an effective method to shield employees and equipment from intense heat radiation. Supplied as a blanket from 1 metre wide by up to 45 meter long, Thermoblanket can be figured to provide protection for almost any shape. The material resists most acids and alkalis; is unaffected by most bleaches and solvents.

Thermoblanket doesnot withstand molten splash like Hiproblanket does, but offers good heatprotection at higher continuous temperatures than are possible for Hiproblanket. Applications include thermal insulation and protecting of all kinds of large surfaces and irregular shapes, in the glass, ceramics and steel industry as well as in the apparatus- and machine-building industry. Also available made from silica fibres, temperature up to +1090 °C (see page 28) and on demand made from Zircona ceramic fibres, temperature up to +1430 °C continuous temperature.

Material & Construction:

Construction: Woven blanket from E-glass yarns. High continuous temperature, halogen-free, good thermal insulation.

Weight material: 2,20 Kg/m2.

Temperature: -55 °C till +538 °C continuous.

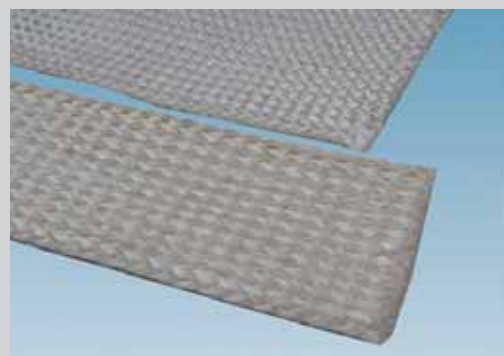
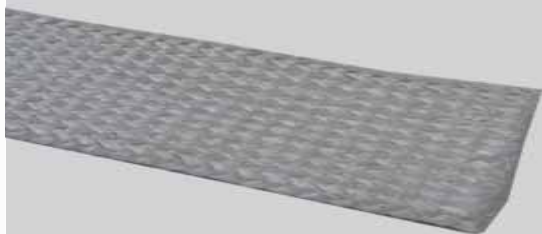
Colour: White.



| Thermoblanket Heavy | | | Dimensions | | Random length | | Small carton | | Reels | | Weight |
|---------------------|--------|--------|------------|-----------|---------------|-------------|--------------|-------------|-------|-------------|---------|
| Size | Size | Type | Width | Thickness | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m2) |
| (mm) | (Inch) | | (mm) | (mm) | | White | | White | | White | |
| 1016 | 4" | TB-H-1 | 1016 | 3 | 1 | 336.410.0 | - | - | 45 | 336.410.5 | 2,20 |

**ANAMET HEAT
 PROTECTION
 PRODUCTS**

**PROTECTION
 BLANKET
 TYPE
 THERMO-
 BLANKET HEAVY**



Silicajacket :
Braided sleeving form silica fibres.

In cases of higher temperatures than the standard Thermo jacket, Silicajacket is the solution as heat protection for cables and hoses. Thanks to the natural rigidity the Silicajacket is easy to apply over long lengths of hose or cable and the large braid angle allows for significant expansion of the sleeve if necessary (for instance with in-line couplings or bigger cable-splices). The material resists most acids and alkalis; is unaffected by most bleaches and solvents. Silicajacket does not withstand molten splash like Hipro jacket does, but offers good heat protection at higher continuous temperatures than are possible for Hipro jacket and Thermo jacket. Applications include thermal insulation and protecting of cables and hoses in the glass, ceramics and steel industry as well as in the apparatus- and machine-building industry. In case a higher abrasion is needed it is possible to supply Silicajacket with a Vermiculite coating. Also available completely made from ceramic fibres for temperatures up to +1260 °C continuous.

Material & Construction:

Construction: Braided sleeving from amorphous silica fibres, high continuous temperature, halogen-free, good thermal insulation, easy installation for long lengths.

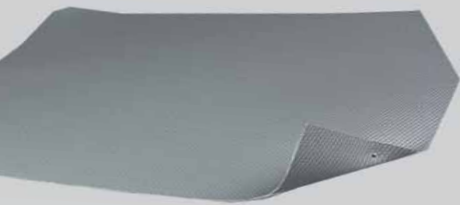
The resistance to acids is fair and to most alkalis is good. Silicajacket has a high resistance against bleaches and solvents.

Temperature: -55 °C till +1090 °C continuous.

Colour: Gold.

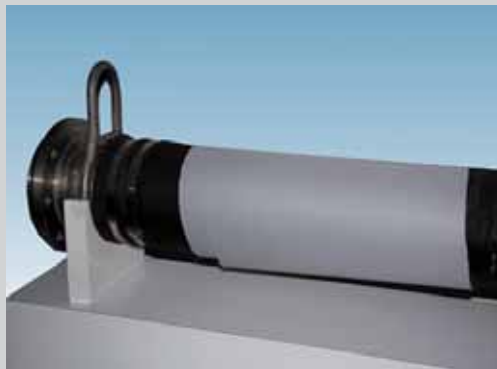


| Silicajacket | | | Diametre | | Standard carton | | Small carton | | Reels | | Weight |
|--------------|-------------|-------|-------------|--------------|-----------------|-------------|--------------|-------------|-------|-------------|--------|
| Size (#) | Size (Inch) | Type | Inside (mm) | Outside (mm) | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m) |
| 16 | 1" | SJ-16 | 24 - 50 | 26 - 52 | 15 | 347.016.1 | - | - | - | - | - |
| 24 | 1.1/2" | SJ-24 | 36 - 60 | 38 - 62 | 15 | 347.024.1 | - | - | - | - | - |
| 32 | 2" | SJ-32 | 49 - 70 | 51 - 72 | 15 | 347.032.1 | - | - | - | - | - |
| 48 | 3" | SJ-48 | 74 - 140 | 76 - 142 | 15 | 347.048.1 | - | - | - | - | - |
| 64 | 4" | SJ-64 | 100 - 200 | 102 - 202 | 15 | 347.064.1 | - | - | - | - | - |



Hiproblanket Light:
Blanket from woven glass fibre yarns,
with thin double layer of silicon rubber.

A woven blanket of glass fibre, backed on both sides, with an excellent oil resistant silicone rubber cover, provides an effective method to shield employees and equipment from limited heat radiation and small particles of molten splash. Supplied as a blanket from 1,5 meter wide by up to 45 meter long, Hiproblanket Light can be figured to provide protection for almost any shape. Especially used where low weight is required. Hiproblanket Light covers are able to shield hydraulic hoses and piping. Typically used in general industrial applications.



Material & Construction:

Construction: Woven blanket from E-glass yarns.

Cover specifications: Silicon rubber, double-sided, excellent oil resistant, halogen-free, limited short term flame protection, limited temperature reduction, withstands small particles of molten splash.

Weight material: 0,85 or 1,1 Kg/m²

Temperature: -55 °C till +260 °C continuous.

Under flame till +538 °C for approx. 30 minutes.

Radiation heat till +800 °C for approx. 20 minutes.

Small molten metal splash till +1200 °C for 15-30 seconds.

Colour: Grey.



| Hiproblanket Light | | | Dimensions | | Random length | | Small carton | | Reels | | Weight |
|--------------------|-------------|-------------|------------|----------------|---------------|-------------|--------------|-------------|-------|-------------|----------------------|
| Size (mm) | Size (Inch) | Type | Width (mm) | Thickness (mm) | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m ²) |
| | | | | | Grey | | Grey | | Grey | | |
| 1524 | 60" | HB-L-1100-D | 1524 | 1 | 1 | 336.420.0 | 15 | 336.420.1 | 45 | 336.420.5 | 1,10 |
| 1000 | 40" | HB-L-850-D | 1000 | 1 | 1 | 336.320.0 | 25 | 336.320.1 | 50 | 336.320.5 | 0,85 |

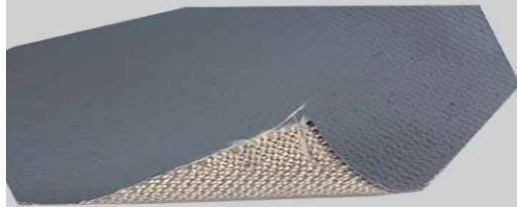
**ANAMET HEAT
 PROTECTION
 PRODUCTS**

**PROTECTION
 BLANKET
 TYPE HIPRO-
 BLANKET LIGHT**



ANAMET HEAT PROTECTION PRODUCTS

PROTECTION BLANKET TYPE HIPO-BLANKET MEDIUM LIGHT



**Hioproblanket Medium Light:
Blanket from woven glass fibre yarns,
with thin single layer of silicon rubber.**

A woven blanket of glass fibre, backed on one sides, with an excellent oil resistant silicone rubber cover, provides an effective method to shield employees and equipment from limited heat radiation and small particles of molten splash. Supplied as a blanket from 1 meter wide by up to 50 meter long, Hioproblanket Medium Light can be figured to provide protection for almost any shape. Especially used where low weight is required. Hioproblanket Medium Light has excellent flame properties. Hioproblanket Medium Light covers are able to shield hydraulic hoses and piping. Typically used in general industrial applications.



Material & Construction:

Construction: Woven blanket from heat treated E-glass yarns.

Cover specifications: Silicon rubber, single-sided, excellent oil resistant, halogen-free, limited short term flame protection, limited temperature reduction, withstands small particles of molten splash.

Weight material: 1,40 Kg/m²

Temperature: -55 °C till +260 °C continuous.

Under flame till +538 °C for approx. 30 minutes.

Radiation heat till +800 °C for approx. 20 minutes.

Small molten metal splash till +1200 °C for 15-30 seconds.

Colour: Grey.



| Hioproblanket Medium Light | | | Dimensions | | Random length | | Small carton | | Reels | | Weight |
|----------------------------|------------|-------------------|------------|-----------|---------------|------------------|--------------|-------------|-----------|------------------|----------------------|
| Size | Size | Type | Width | Thickness | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m ²) |
| (mm) | (Inch) | | (mm) | (mm) | | Grey | | Grey | | Grey | |
| 1000 | 40" | HB-ML-1400 | 1000 | 1,55 | 1 | 336.470.0 | 25 | 336.470.1 | 50 | 336.470.3 | 1,40 |



Hiproblanket Medium:
Blanket from woven glass fibre yarns,
with double layer of silicon rubber.

A woven blanket of glass fibre, with double sided an excellent oil resistant silicone rubber cover, provides an effective method to shield employees and equipment from heat radiation and particles of molten splash. Supplied as a blanket from 1,0 meter wide by up to 50 meter long, Hiproblanket Medium can be figured to provide protection for almost any shape. Especially used where lower weight is required. Hiproblanket Medium covers are able to shield hydraulic hoses and piping. Typically used in general industrial applications.

Material & Construction:

Construction: Woven blanket from E-glass yarns.
Cover specifications: Silicon rubber, double-sided, excellent oil resistant, halogen-free, limited short term flame protection, good temperature reduction, withstands

particles of molten splash.
Weight material: 2,4 Kg/m²
Temperature: -55 °C till +260 °C continuous.
 Under flame till +800 °C for approx. 20 minutes.
 Radiation heat till +800 °C for approx. 20 minutes.
 Limited molten metal splash till +1640 °C for 15-30 seconds.
Colour: Green.



| Hiproblanket Medium | | | Dimensions | | Random length | | Small carton | | Reels | | Weight |
|---------------------|--------|-------------|------------|-----------|---------------|-------------|--------------|-------------|-------|-------------|----------------------|
| Size | Size | Type | Width | Thickness | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m ²) |
| (mm) | (Inch) | | (mm) | (mm) | | Green | | Green | | Green | |
| 1000 | 40" | HB-M-2400-D | 1000 | 1 | 1 | 336.430.0 | 10 | 336.430.1 | 50 | 336.430.5 | 2,40 |

**ANAMET HEAT
 PROTECTION
 PRODUCTS**

**PROTECTION
 BLANKET
 TYPE HIPRO-
 BLANKET
 MEDIUM**

**ANAMET HEAT
PROTECTION
PRODUCTS**

**PROTECTION
BLANKET
TYPE HIPRO-
BLANKET
MEDIUM**



**Hiproblanket Medium:
Blanket from woven glass fibre yarns,
with thick layer of red iron-oxide sili-
con rubber.**

A woven blanket of glass fibre, backed with an excellent oil resistant silicone rubber cover, provides an effective method to shield employees and equipment from intense heat radiation and the hazards of molten splash. Supplied as a blanket from 1 meter wide by up to 50 meter long, Hiproblanket Heavy can be figured to provide protection for almost any shape. Joined to curtains, by sewing with glass fibre yarn or by connecting with stainless steel turn-buckles, Hiproblanket Heavy covers are able to shield furnace control panels, cable ladders and fettling plants. Typically used in the basic glass, ceramics and steel industry.



Material & Construction:

Construction: Woven blanket from E-glass yarns.

Cover specifications: Iron-oxide silicon rubber. Excellent oil resistant, halogen-free, good short term flame protection, good temperature reduction, withstands molten splash.

Weight material: 2,50 Kg/m²

Temperature: -55 °C till +260 °C continuous.

Under flame till +800 °C for approx. 30 minutes.

Radiation heat till +800 °C for approx. 20 minutes.

Molten metal splash till +1640 °C for 15-30 seconds.

Colour: Red.



| Hiproblanket Medium | | | Dimensions | | Random length | | Small carton | | Reels | | Weight |
|---------------------|------------|--------------------|------------|-----------|---------------|-------------|--------------|-------------|-------|-------------|----------------------|
| Size | Size | Type | Width | Thickness | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m ²) |
| (mm) | (Inch) | | (mm) | (mm) | | Red | | Red | | Red | |
| 1016 | 40" | HB-M-2500-S | 1016 | 2,5 | 1 | 336.340.0 | 25 | 336.340.1 | 50 | 336.340.5 | 2,50 |



Hiproblanket Heavy:
Blanket from woven glass fibre yarns,
with thick layer of red iron-oxide silicon rubber.

A woven blanket of glass fibre, backed with an excellent oil resistant silicone rubber cover, provides an effective method to shield employees and equipment from intense heat radiation and the hazards of molten splash. Supplied as a blanket from 1 meter wide by up to 45 meter long, Hiproblanket Heavy can be figured to provide protection for almost any shape. Joined to curtains, by sewing with glass fibre yarn or by connecting with stainless steel turn-buckles, Hiproblanket Heavy covers are able to shield furnace control panels, cable ladders and fettling plants. Typically used in the basic glass, ceramics and steel industry. On demand also available made from silica with a red iron oxide silicone cover.

Material & Construction:

- Construction:** Woven blanket from E-glass yarns.
- Cover specifications:** Iron-oxide silicon rubber. Excellent oil resistant, halogen-free, good short term flame protection, good temperature reduction, withstands molten splash.
- Weight material:** 3,26 Kg/m²
- Temperature:** -55 °C till +260 °C continuous.
 Under flame till +800 °C for approx. 30 minutes.
 Radiation heat till +800 °C for approx. 20 minutes.
 Molten metal splash till +1640 °C for 15-30 seconds.
- Colour:** Red.



| Hiproblanket Heavy | | | Dimensions | | Random length | | Small carton | | Reels | | Weight |
|--------------------|--------|------------|------------|-----------|---------------|-------------|--------------|-------------|-------|-------------|----------------------|
| Size | Size | Type | Width | Thickness | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m ²) |
| (mm) | (Inch) | | (mm) | (mm) | | Red | | Red | | Red | |
| 1016 | 40" | HB-H-3250S | 1016 | 3 | 1 | 336.440.0 | 15 | 336.440.1 | 45 | 336.440.5 | 3,26 |

**ANAMET HEAT
 PROTECTION
 PRODUCTS**

**PROTECTION
 BLANKET
 TYPE HIPRO-
 BLANKET HEAVY**

**ANAMET HEAT
PROTECTION
PRODUCTS**

**PROTECTION
BLANKET
TYPE
SILICA-
BLANKET**



**Silicablanket:
Blanket from woven silica yarns.**

A woven blanket of silica fibre provides an effective method to shield employees and equipment from intense heat radiation. Supplied as a blanket from 0,9 metre wide by up to 50 meter long, Silicablanket can be figured to provide protection for almost any shape. The material resists most acids and alkalis; is unaffected by most bleaches and solvents. Silicablanket doesnot withstand molten splash like Hiproblanket does, but offers good heatprotection at higher continuous temperatures than are possible for Hiproblanket or Thermoblanket. Applications include thermal insulation and protection of all kinds of large surfaces and irregular shapes, in the glass, ceramics and steel industry as well as in the apparatus- and machine-building industry. Type SB1200VM has aVermiculite coating for higher abrasion and excelent flame properties.



Material & Construction:

Construction: Woven blanket from amorpheus silica yarns. High continuous temperature, halogen-free, good thermal insulation.

Weight material: 1,35, 1,10 or 0,60 Kg/m2.

Temperature: -55 °C till +1090 °C continuous.

Colour: Gold.



| Silicablanket | | | Dimensions | | Random length | | Small carton | | Reels | | Weight |
|---------------|--------|------------|------------|-----------|---------------|-------------|--------------|-------------|-------|-------------|---------|
| Size | Size | Type | Width | Thickness | Metre | Article No. | Metre | Article No. | Metre | Article No. | (Kg/m2) |
| (mm) | (Inch) | | (mm) | (mm) | | Gold | | Gold | | Gold | |
| 880 | 34" | SB-600 | 880 | 0,65 | 1 | 347.430.0 | - | - | 50 | 347.430.5 | 0,60 |
| 930 | 37" | SB-1200-VM | 930 | 1,2 | 1 | 347.420.0 | - | - | 50 | 347.420.5 | 1,10 |
| 914 | 36" | SB-1350 | 914 | 2,0 | 1 | 347.410.0 | - | - | 45 | 347.410.5 | 1,35 |



Hipro Insulation Wrap: Assembly from Hiproblanket and Thermoblanket with needed E-glass filling.

The Hipro Insulation Wrap is a combination of our Hipro and Thermo products with the aim to achieve a high level of thermal insulation in combination with short term flame protection. The outer layer of Hiproblanket Light insulation material is resistant to hydraulic fluids, lubricating oils and fuels, it protects against small particles of molten splash, occasional flames, energy loss in piping and hoses; also protects employees from burns. The main characteristic however is that Hipro Insulation Wrap has an effective high insulation λ -Factor in saving energy losses from piping etc.. Hipro Insulation Wrap is a custom made product and can be made in diameters up to 302 mm. It allows quick installation in-situ without the need to dismantle and reconnect fittings. Also repair of existing installations can be performed with a minimum of labor and downtime. Typically used in the basic glass, ceramics and steel industry. On demand also available with ceramic filling.

Material & Construction:

Construction: Remountable sleeve from woven E-glass blanket as innerlayer, filling of needed E-glass and silicone coated E-glass blanket outside; with polyester hook & loop closure and with at every 10 cm an additional nickel plated brass turnbuckle.

Cover specifications: Silicon rubber, excellent oil resistant, halogen-free, limited short term flame protection, good temperature reduction, withstands small particles of molten splash.

Temperature: -55 °C till +260 °C continuous.
Under flame till +538 °C for approx. 20 minutes.
Radiation heat till +538 °C for approx. 20 minutes.
Small molten metal splash till +1200 °C for 15-30 seconds.

Colour: Grey.



Hipro Insulation Wrap comes in 2 types of needed fillings with different thermal insulation characteristics:

Thermal conductivity data (λ)

| | Type 1 | Type 2 |
|-----------------------|------------------------------------|-------------------------------------|
| Temperature / Filling | Filling 96 - 112 kg/m ³ | Filling 144 - 176 kg/m ³ |
| at 150 C° | 0,04 W/mK | 0,05 W/mK |
| at 260 C° | 0,05 W/mK | 0,07 W/mK |
| at 370 C° | 0,065 W/mK | 0,09 W/mK |

ANAMET HEAT
PROTECTION
PRODUCTS

HIPRO
INSULATION
WRAP

Hipro- Thermo- and Silica instruction:

The heatprotection products of Anamet Europe BV can be easily cut with a pair of scissors or a craft knife. Please note however the under mentioned safety regulations.



Safety and health precautions for handling Hipro- and Thermo products

For the Hipro products there are no additional safety precautions needed in addition to the Thermo products. The difference between these product groups is the silicone cover. Silicone can be classified as not dangerous. In case of E-Glass fibre, precautions under certain circumstances might be needed.

Personal safety:

Breath safety: In situations where large quantities of fibre dust occur, it is advised to wear at least an European commission approved FP1 or FP2 dusk mask. We recommend using types like 3M8710 or 33M9900 or similar, being approved by the American National Institute for Occupational Safety and Health (NIOSH).

Eye protection: Safety glasses or mask.

Hand protection: Safety hand gloves.

Body protection: Using long sleeved clothes (shirt and trousers) in order to avoid irritation. Persons with a sensible skin are recommended to protect free falling skin areas with a protective crème.

Instruction for labour hygiene: The regulation as stated in TRGS 521 - glass fibre dust – as published on November 1997, Nr. 5, general statement, for fibres with a diameter larger than 3 µm which will occur during handling or machining a product, should be followed up accordingly.

Toxicologic instructions:

Local effects: Short term itch possible. The itch is from mechanical art and short term, they can be applicable for skin, eyes and the upper respiration. The influence will however decrease by leaving the production area. Classification according Norm 67/548/EEC is not needed as glass filaments are according Norm 97/69/EC not classified as being itchy (Class Xi).

Irritation: Very seldom allergic reactions. The statement of allergies is given in general. In order to avoid any risk we advise to handle the products in a moist environment.

Risk of cancer: The high quality E-glassfibers used in the Hipro- and Thermo-products are having a diameter of more than 3 micron (typical diameter of 9 micron average) and are therefore classified as non-respirable!! This means that these fibers do not penetrate in the lower lungs. Respirable fibers are defined as "... fibers with a length of more than 5 micron, with a diameter smaller than 3 micron and a length/diameter ratio of more than 3/1 ..." (definition according to the World Health Organization).

Details towards risk of cancer: The fact that E-Glass fibres are a non-cancer risk are, independently from each other, stated by various official authorities. The WHO (World Health Organisation) has, through its International Cancer Investigation Centre (CIRC), in addition to the congress in June 1987, checked all relevant laboratory tests on animals with reflection to glass fibres analysis. The results are that Glass fibres are judged as a non-risk in relation to cancer. They belong to the group MMF (Man made Mineral Fibres). The European commission has, in Norm 97/69/EC, included that Glass fibres are a non-risk element and for this reason do not need any classification or labelling.

Risk Substances:

E-Glass fibre: CAS-Nr.: 65977-17-3, R-Type not applicable, mass quantity 98,5 - 99 %.

Coating: Non-subscribed, R-Type not applicable, mass quantity 1,5 - 1,0 %.

First aid method:

Description first aid method: Cleaning activities in order to remove fibres from respiration, skin and mucous membrane.

After inhalation: Forcing coughing by using slime developing or stimulating damp (like water damp inhalation).

After skin contact: Cleaning the skin by using water and soap.

After eye contact: Large fibres by mechanical cleaning. Small fibres by flushing water from the nose to the eye corner.

After eating: Meaningless.

Instruction for first aid or medical assistance: No specific medical treatment is needed.

Instructions for fire fighting: The burning gasses from glass fibres are in basic; Carbon Dioxide and water damp. It is however possible that small amounts of Carbon Monoxide and other substances will occur. In case of large fires the use of protection equipment is needed.

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