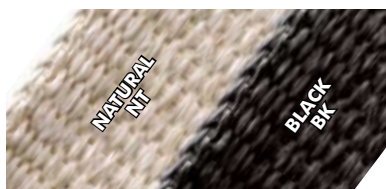


Header Wrap

- **High Temp. Resistant**
- **Easy to Install**
- **Resists Gasoline and Engine Chemicals**
- **Increases Horsepower and Improves Fuel Mileage**
- **Cut & Abrasion Resistant**
- **Halogen Free**



Remember when it comes to exhaust wrap, overlapping 1/4" is perfect as this allows just enough heat out to ensure performance without damaging your exhaust.



Vermiculite Coated Fiberglass Wrap Withstands Heat up to 1,200°F

HEADER WRAP INSULTHERM™ (HF) is extremely high temperature resistant. Commonly used for automotive and high performance headers and exhausts.

Manufactured from texturized fiberglass yarns and woven into a strong and flexible wrap with vermiculite coating.

| Wall Thickness | Widths | Part # | Maximum Continuous Temperature | Standard Spool Put-Ups | | Available Colors | Lbs/100' |
|----------------|--------|---------|--------------------------------|------------------------|------------|------------------|----------|
| | | | | Bulk Spool | Shop Spool | | |
| 1/16" | 1" | HFN1.00 | 1,000°F | 100' | 50' | NT & BK | 1.50 |
| 1/16" | 2" | HFN2.00 | | 100' | 50' | NT & BK | 3.05 |

CUSTOM CONFIGURATIONS

Thickness Available: 1/16", 1/8" Widths Available: 1/2" – 6"

Contact us for custom product options.

HEADER WRAP and HEADER WRAP SI - Reduces under-hood temperatures up to 70%, increases horsepower and fuel efficiency. Techflex Header Wrap works by holding heat within the header, which creates a better exhaust flow. This allows easy removal of spent gasses and creates more airflow to the engine.

Header Wrap SI

- **High Temp. Resistant**
- **Easy to Install**
- **Resists Gasoline and Engine Chemicals**
- **Cut and Abrasion Resistant**



Silica Wrap Withstands Continuous Heat up to 2,000°F

HEADER WRAP SI INSULTHERM™ (HS) is made from texturized amorphous silica filament yarn woven into a strong and flexible form. Because the yarn is texturized into a bulky form it provides excellent insulating values.

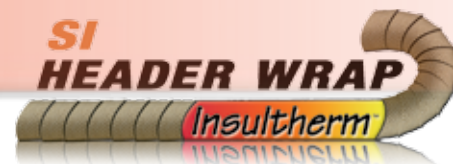
Header Wrap SI is not made from leached fiberglass, resulting in a much more wear resistant finished product.

| Wall Thickness | Widths | Part # | Maximum Continuous Temperature | Standard Spool Put-Ups | | Available Colors | Lbs/100' |
|----------------|--------|-----------|--------------------------------|------------------------|------------|------------------|----------|
| | | | | Bulk Spool | Shop Spool | | |
| 1/16" | 1" | HSN1.00NT | 2,000°F | 100' | 50' | Natural (NT) | 1.50 |
| 1/16" | 2" | HSN2.00NT | | 100' | 50' | Natural (NT) | 3.05 |

CUSTOM CONFIGURATIONS

Thickness Available: 1/16", 1/8" Widths Available: 1" – 4"

Contact us for custom product options.





HEADER WRAP SI

- Amorphous Silica
- High Temperature Resistance
- Easy To Install
- Resists Gasoline And Engine Chemicals
- Cut And Abrasion Resistant

Put-Ups

| Wall Thickness | Part # | Width | Expansion Range | | Bulk Spool | Shop Spool | Available Colors | Lbs/ 100' |
|----------------|-----------|-------|-----------------|------|------------|------------|------------------|-----------|
| | | | Min. | Max. | | | | |
| 1/16" | HSN1.00NT | 1" | Non-expandable | | 100' | 50' | Natural | 1.50 |
| 1/16" | HSN2.00NT | 2" | Non-expandable | | 100' | 50' | Natural | 3.05 |

CUSTOM CONFIGURATIONS

Thicknesses Available: 1/16", 1/8"

Widths Available: 1" – 4"

Contact us for custom product options.



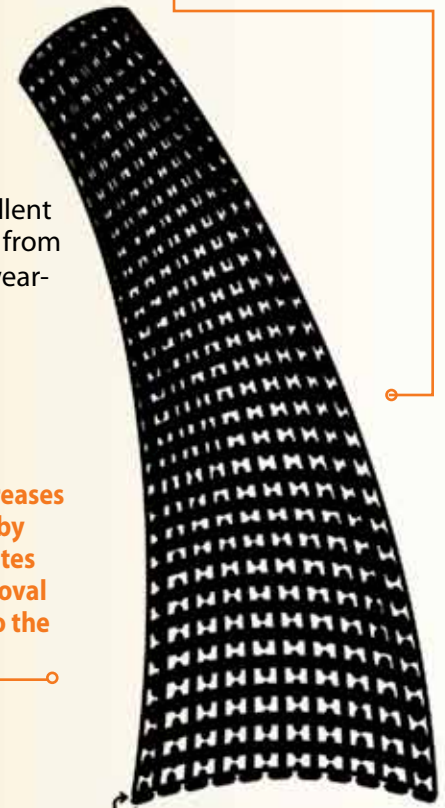
Cut Cleanly
Scissors

Silica Wrap Withstands Continuous Heat Up To 2,000°F

HEADER WRAP SI INSULTHERM™ is extremely high temperature resistant. Commonly used for the headers and exhaust.

Header Wrap SI is made from texturized amorphous silica filament yarn woven into a strong and flexible form. Because the yarn is texturized into a bulky form it provides excellent insulating values. Header Wrap SI is not made from leached fiberglass, resulting in a much more wear-resistant finished product.

■ **Colors Available:**
Natural (NT).



Wall Thickness

Material

Amorphous Silica

Grade

HSN

Monofilament Thickness

.0625"-.125"

Drawing Number

TF001SW-WD

■ Reduces under-hood temp. up to 70%, increases horsepower and fuel efficiency. HW works by holding heat within the header, which creates a better exhaust flow. This allows easy removal of spent gasses and creates more airflow to the engine.



www.techflex.com

800.323.5140 • 973.300.9242 • fax: 973.300.9409
104 Demarest Road • Sparta, NJ 07871

**HALOGEN
FREE**



HEADER WRAP SI



Abrasion Resistance
ASTM D-4157
Medium

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

Room Temperature
75°F

Humidity
65%

Material Showing Visible Wear
75 Test Cycles

Material Destroyed
225 Test Cycles

Pre-Test Weight
11,600.7 mg

Post-Test Weight
9,518.62 mg

Test End Loss Of Mass
Point Of Destruction
2,082.08 mg



Rating _____ Non Flammable



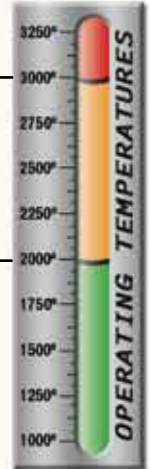
Chemical Resistance

1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

Aromatic Solvents _____ 1
Aliphatic Solvents _____ 1
Chlorinated Solvents _____ 1
Weak Bases _____ 1
Salts _____ 1
Strong Bases _____ 1
Salt Water 0-S-1926 _____ 1
Hydraulic Fluid MIL-H-5606 _____ 1
Lube Oil MIL-L-7808 _____ 1
De-Icing Fluid MIL-A-8243 _____ 1
Strong Acids _____ 2
Strong Oxidants _____ 2
Esters/Keytones _____ 1
UV Light _____ 2
Petroleum _____ 1
Fungus ASTM G-21 _____ 1
Halogen Free _____ Yes
RoHS _____
SVHC _____

Melt Point
ASTM D-2117
3,000°F (1,649°C)

Maximum Continuous
Mil-I-23053
2,000°F (1,093°C)



Monofilament Diameter _____ NA
ASTM D-204

Flammability Rating _____ Non Flammable

Recommended Cutting _____ Scissor

Colors _____ 2

Wall Thickness _____ .0625-.125

Tensile Strength (Yarn) _____
ASTM D-2256 Lbs

Specific Gravity ASTM D-792 _____ 2.2



How to install header wrap...



Wrapping a pipe takes time and concentration. Go slowly, take your time and be patient. The tighter the wrapping the better hold and less chance of a loose or irregular fit.



1. Wearing safety glasses, gloves and dust mask is highly recommended. We also suggest wearing a long sleeve shirt.

2. To make installation easier and reduce the irritation from fiberglass dust, soak exhaust wrap in bucket of water. Wetting the wrap will make the material more flexible and aid in a much tighter wrap.

3. Make sure you have enough wrap before you begin; use the chart below as a guide to pre-cut lengths of exhaust wrap.

4. Start an initial wrap around the primary tube at the exhaust port (closest to engine) and secure it with a stainless steel tie or a hose clamp.

5. Continue wrapping, using 1/4" overlap with each pass; keep tension on your wrap and use your hands every two to three coils to tighten the wrap. Remember more is not always better when it comes to exhaust wrap, so overlapping 1/4" is perfect as this allows just enough heat out to ensure performance without damaging your exhaust.

6. Where primary tubes become close together, and it is too tight to wrap them separately, wrap both pipes as one while using the same 1/4" overlap.

7. Proceed to wrap the collector securing both ends with stainless steel ties or hose clamps.

8. Clean up and enjoy!

PLEASE NOTE: Smoking may occur after installation and it will eventually stop. This is a normal part of the curing process, and will not result in any damage to the exhaust or the wrap installation.

| Pipe Diameter | Guide: Inches used per linear foot of pipe | | Recommendation |
|---------------|--|--------------|-------------------------|
| | 1" Wrap | 2" Wrap | |
| 1 3/8" | 70" per foot | 30" per foot | 2" wrap not recommended |
| 1 1/2" | 76" per foot | 33" per foot | 1" or 2" wrap is OK |
| 1 5/8" | 82" per foot | 35" per foot | 1" or 2" wrap is OK |
| 1 3/4" | 88" per foot | 38" per foot | 1" or 2" wrap is OK |
| 1 7/8" | 95" per foot | 41" per foot | 1" or 2" wrap is OK |
| 2" | 101" per foot | 44" per foot | 1" or 2" wrap is OK |
| 2 1/4" | 114" per foot | 49" per foot | 1" or 2" wrap is OK |
| 2 1/2" | 126" per foot | 54" per foot | 1" wrap not recommended |
| 2 3/4" | 139" per foot | 60" per foot | 1" wrap not recommended |
| 3" | 151" per foot | 65" per foot | 1" wrap not recommended |
| 3 1/4" | 164" per foot | 70" per foot | 1" wrap not recommended |
| 3 1/2" | 176" per foot | 76" per foot | 1" wrap not recommended |
| 3 3/4" | 189" per foot | 81" per foot | 1" wrap not recommended |
| 4" | 201" per foot | 87" per foot | 1" wrap not recommended |

Include an additional 8" of wrap per bend. Add 14" of wrap if bend is greater than a 90° bend.