# INSULTHERM HEADER WRAP SI

EXTREME TEMPERATURE
Technical Data Sheet

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

| Wall Thickness | Part # | Width | Expansion Range | | Put-Ups: Bulk Spool | Put-Ups: Shop Spool | Available Colors | Kgs/ 10m |
|---|---|---|---|---|---|---|---|---|
| | | | Min. | Max. | | | | |
| 1/16" | HSN1.00NT | 1" | Non-expandable | | 100' | 50' | Natural | 2,23 |
| 1/16" | HSN2.00NT | 2" | Non-expandable | | 100' | 50' | Natural | 4,54 |

**CUSTOM CONFIGURATIONS**

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

**Widths Available: 1/2"– 6"**

**Contact us for custom product options.**

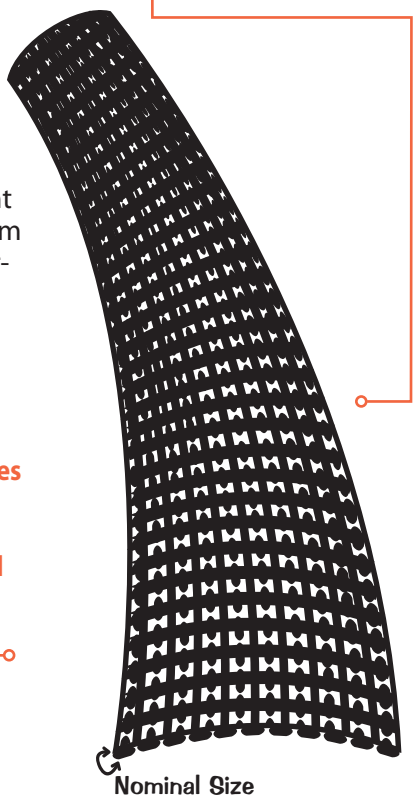
## Silica Wrap Withstands Continuous Heat Up To 1,093°C

**Cut Cleanly**
**Scissors**

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).



Nominal Size

**Material**
**Amorphous Silica**

**Grade**
**HSN**

**Wall 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 gases and creates more airflow to the engine.**

TECHFLEX
Braided Sleeving Products
www.techflex.com
1 (833) SLEEVING • (973) 300-9242 • fax: (973) 300-9409
104 Demarest Road • Sparta, NJ 07871

HALOGEN FREE

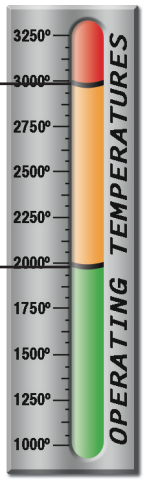
RoHS Compliant

EXTREME
TEMPERATURE
Technical Data Sheet

InsulTHERM HEADER WRAP ST

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

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




www.techflex.com

## ABRASION

***Abrasion Resistance***
***ASTM D-4157***
**Low**

***Abrasion Test Machine***
**Taber 5150**

***Abrasion Test Wheel***
**Calibrase H-18**

***Abrasion Test Load***
**500g**

***Room Temperature***
**75°F/24°C**

***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**

## FLAMMABILITY

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/Ketones | 1 |
| UV Light | 2 |
| Petroleum | 1 |
| Fungus *ASTM G-21* | 1 |
| Halogen Free | Yes |
| RoHS | |
| SVHC | |

## PHYSICAL PROPERTIES

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

**© 2021 Techflex® - Any unauthorized reproduction, in whole or part, in any medium whatsoever, without the express written permission of Techflex® is strictly forbidden.**
Techflex® product names and logos are registered trademarks of Techflex®, unless otherwise attributed. The contents and illustrations contained herein are believed to be reliable. Techflex® makes no warranties as to their accuracy or completeness and disclaims any liability in connection with their use. Techflex's® only obligations are those in standard terms of sale for these products and Techflex® will not be liable for any consequential or other damages arising due to misuse of these products or typographical errors or omissions. Users should make their own evaluation to determine the suitability of these products for their unique and specific applications.