

- Vermiculite Coated, Heavy Weight Braided Fiberglass
- High Temperature Resistant
- Easy To Install
- Resists Gasoline And Engine Chemicals
- Cut And Abrasion Resistant
- Increases Horsepower And Improves Fuel Mileage



**Cut Cleanly**  
Scissors

**Material**  
Fiberglass

**Grade**  
HFN

**Wall Thickness**  
.0625"-.125"

**Drawing Number**  
TF001IW-WD

Wall Thickness	Part #	Width	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
			Min.	Max.				
1/16"	HFN1.00	1"	Non-expandable		100'	50'	2	1.50
1/16"	HFN2.00	2"	Non-expandable		100'	50'	2	3.05

**CUSTOM CONFIGURATIONS**

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

**Widths Available: 1/2" - 6"**

Contact us for custom product options.

**Vermiculite Coated Fiberglass Wrap Withstands Heat Up To 1,000°F**

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

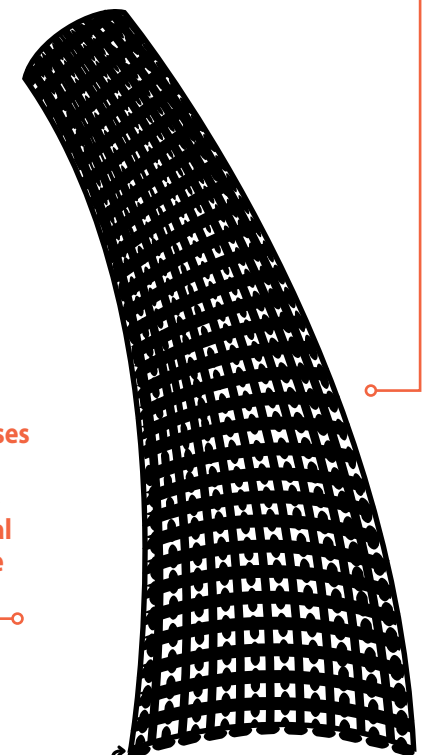
Manufactured from texturized fiberglass yarns and woven into a strong and flexible wrap with vermiculite coating.

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.

Colors Available:

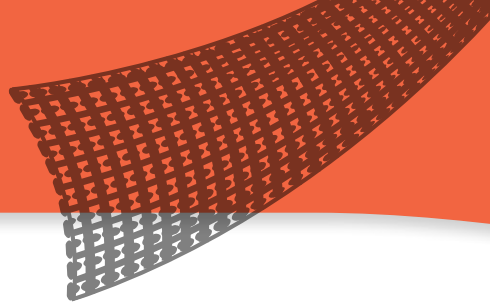


Natural (NT) and Black (BK).



Nominal Size

■ **Colors Available:**  
2 = NT and BK



## **ABRASION** **FLAMMABILITY**

**Abrasion Resistance**  
**Medium**

Rating \_\_\_\_\_ Non Flammable

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

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

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

**Room Temperature**  
**75°F**

**Humidity**  
**65%**

**Material Beginning To  
Wear Through In One  
Spot**  
**400 Test Cycles**

**Material Destroyed**  
**500 Test Cycles**

**Pre-Test Weight**  
**13,162.7 mg**

**Post-Test Weight**  
**11,614.3 mg**

**Test End Loss Of Mass  
Point Of Destruction**  
**1,548.4 mg**

## **CHEMICAL RESISTANCE**

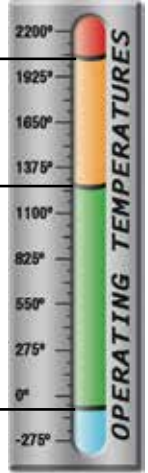
1=No Effect      4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

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 _____	

**Melt Point**  
ASTM D-2117  
**2,048°F (1,120°C)**

**Maximum Continuous**  
Mil-I-23053  
**1,200°F (649°C)**

**Minimum Continuous**  
**-70°F (-57°C)**



## **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 \_\_\_\_\_ 2.6

www.techflex.com