

INSULTHERM™ ULTRAFLEXX

- **UL Recognized**
- **Continuous Filament E-Type Glass**
- **Resists Abrasion, Vibration, And Mechanical Stress**
- **Easy To Install - Cuts With Scissors**
- **Stays Flexible In Low Temps**

Put-Ups

Nominal Size	Part #	Wall Thickness	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
			Min.	Max.				
1/4"	FHN0.25NT	0.010"	1/4"	5/16"	250'	100'	Natural	1.00
3/8"	FHN0.38NT	0.012"	3/8"	1/2"	250'	100'	Natural	1.20
1/2"	FHN0.50NT	0.013"	1/2"	5/8"	100'	50'	Natural	1.60
5/8"	FHN0.63NT	0.024"	5/8"	3/4"	100'	50'	Natural	3.00
3/4"	FHN0.75NT	0.024"	3/4"	7/8"	100'	50'	Natural	3.80
1"	FHN1.00NT	0.024"	1"	1 1/4"	100'	50'	Natural	4.30



**Cut Cleanly
 Scissors**

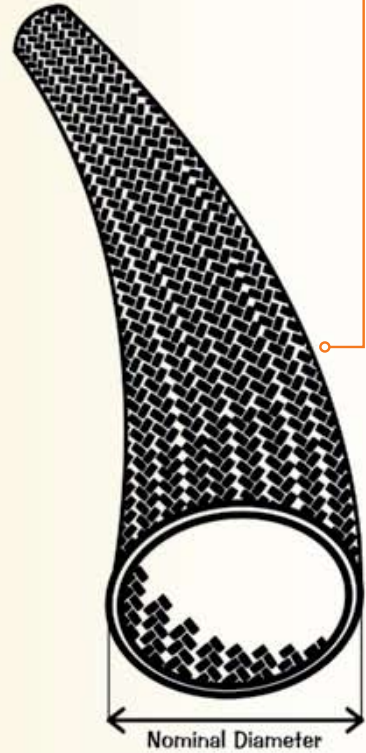
Braided Fiberglass Protects up to 1,200°F

INSULTHERM ULTRAFLEXX fiberglass sleeving is ideal for the protection of wires and hoses exposed to the heat generated from high performance engine and exhaust components.

The heat treated sleeving cuts with scissors and is compatible with most bonding and saturation systems.

Ultraflexx expands slightly, allowing it to slide easily over wires and follow curves and contours without binding.

■ **Colors Available:**
 Natural (NT)



■ **"...will withstand extreme heat... provides the protection needed"**

Material	Fiberglass
Grade	FHN
Wall Thickness	Refer to Chart

INSULTHERM™ ULTRAFLEXX



Abrasion Resistance
Medium

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

Room Temperature
78°F

Humidity
72%

Material Destroyed
100 Test Cycles

Pre-Test Weight
3,374.0 mg

Post-Test Weight
2,839.3 mg

Test End Loss Of Mass
Point Of Destruction
534.7 mg



Rating _____ **VW-1**



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	_____	Yes
SVHC	_____	None

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

Maximum Continuous
 MIL-I-23053
1,202°F (650°C)

Minimum Continuous
-94°F (-70°C)



PHYSICAL PROPERTIES

Monofilament Diameter	_____	NA
ASTM D-204		
Flammability Rating	_____	VW-1
Recommended Cutting	_____	Scissor
Colors	_____	1
Wall Thickness	_____	.010-.024
Tensile Strength (Yarn)	_____	
ASTM D-2256 Lbs		
Specific Gravity ASTM D-792	_____	1.0-1.8
Moisture Absorption	_____	.01
% ASTM D-570		
Hard Vacuum Data ASTM E-595 at 10-5 torr		
TML	_____	.01
CVCM	_____	.00
WVR	_____	.00
Smoke D-Max	_____	
ASTM E-662		
Outgassing	_____	Low
Oxygen Index	_____	
ASTM D-2863		

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