

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

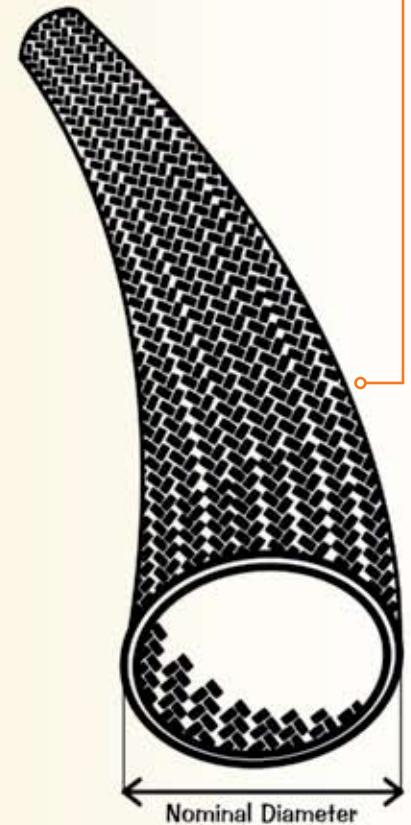
Braided Fiberglass Protects up to 1,200°F

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

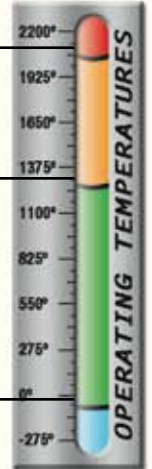
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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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