

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

Nominal Size	Part #	Wall Thickness	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/ 100'
			Min.	Max.				
1/2"	FHH0.50NT	0.025"	3/8"	5/8"	100'	50'	Natural	3.50
3/4"	FHH0.75NT	0.040"	5/8"	1 5/32"	100'	50'	Natural	8.00
1"	FHH1.00NT	0.032"	7/8"	1 3/8"	50'	25'	Natural	7.00
1 1/4"	FHH1.25NT	0.035"	1"	1 3/4"	50'	25'	Natural	10.50
1 1/2"	FHH1.50NT	0.035"	1 1/8"	2 1/8"	50'	25'	Natural	10.00

Put-Ups



**Expands Up To 50%
For Easy Installation**

Material

Fiberglass

Grade

FHH

Wall Thickness

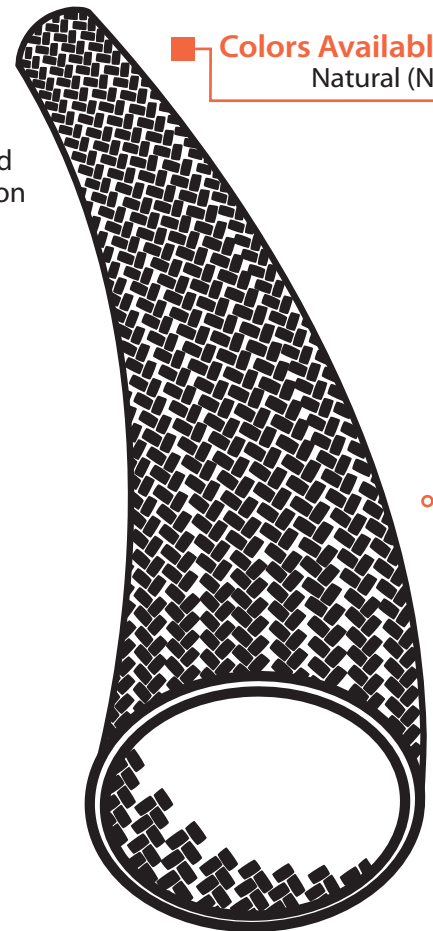
Refer to Chart

**Heavy Wall Fiberglass
Protects To 1,200°F**

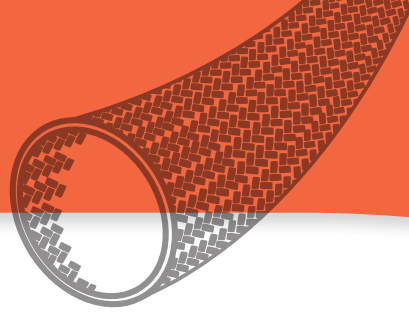
The heavy wall (1/32") construction, large available diameters and high expandability of Ultra Flex® Pro provides a high level of protection and ease of installation when used to insulate pipes and hoses subject to abrasion and vibration.

Ultra Flex® Pro cuts easily with scissors, and special heat treated construction minimizes fraying and dusting during assembly.

■ **Colors Available:**
Natural (NT)



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



ABRASION **FLAMMABILITY**

Abrasion Resistance Rating _____ VW-1
Medium

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

Room Temperature
75°F

Humidity
72%

Individual Fibers Visibly Broken
150 Test Cycles

Braid Worn Through In One Direction
500 Test Cycles

Material Destroyed
525 Test Cycles

Pre-Test Weight
***20,831.10 mg**

Post-Test Weight
***19,203.20 mg**

Test End Loss Of Mass Point Of Destruction
1,140.51 mg

***Weight Includes Mounting Card**

CHEMICAL RESISTANCE

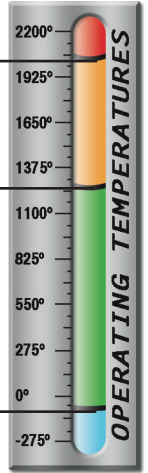
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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 _____	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
<i>ASTM D-204</i>	
Flammability Rating _____	VW-1
Recommended Cutting _____	Scissor
Colors _____	1
Wall Thickness _____	.025"-.035"
Tensile Strength (Yarn) _____	
<i>ASTM D-2256 Lbs</i>	
Specific Gravity <i>ASTM D-792</i> _____	1.0-1.8
Moisture Absorption _____	.01
<i>% ASTM D-570</i>	
Hard Vacuum Data _____	
<i>ASTM E-595 at 10-5 torr</i>	
TML _____	.01
CVCM _____	.00
WVR _____	.00
Smoke D-Max _____	
<i>ASTM E-662</i>	
Outgassing _____	Low
Oxygen Index _____	
<i>ASTM D-2863</i>	

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