

- **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

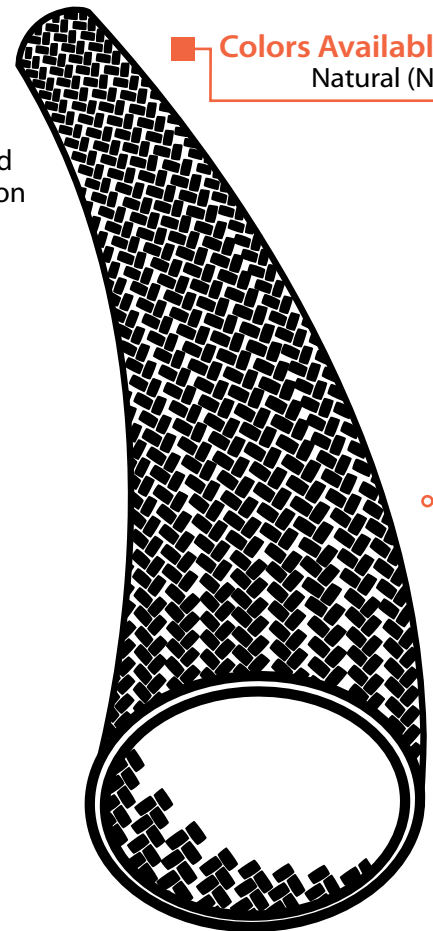
Refer to Chart

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

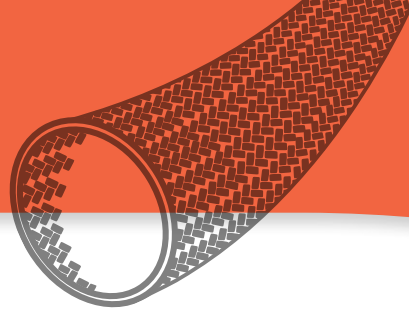
The heavy wall (1/32") construction, large available diameters and high expandability of Ultraflex Pro provides a high level of protection and ease of installation when used to insulate pipes and hoses subject to abrasion and vibration.

Ultraflex 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

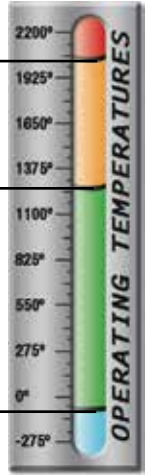
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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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