

- **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.				
1/2"	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



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

**Material**

**Fiberglass**

**Grade**

**FHH**

**Wall Thickness**

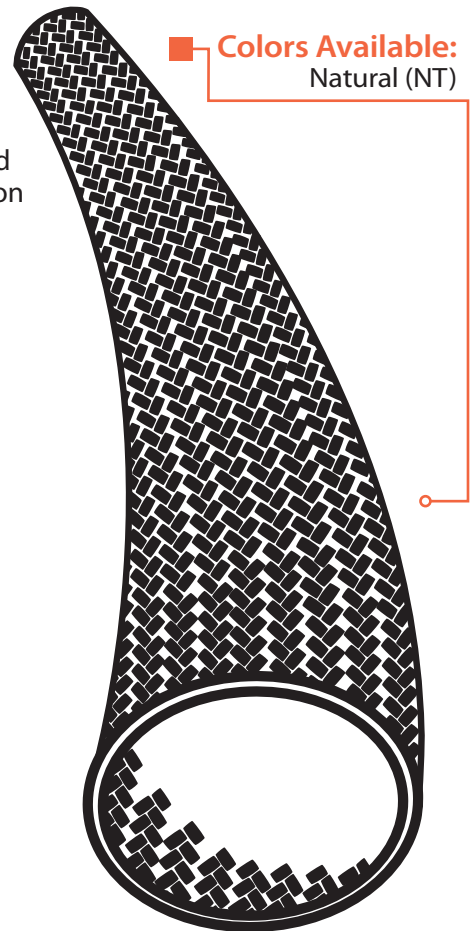
**Refer to Chart**

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

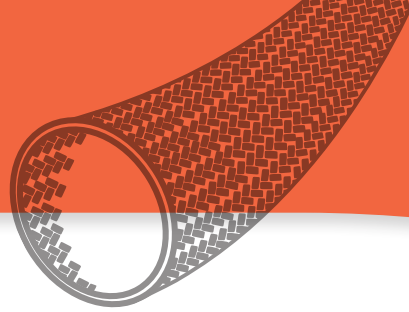
The heavy wall (1/32") construction, large available diameters and high expandability of Ultraflex Pro provides a high level of protection and ease of installation when used to insulate pipes and hoses subject to abrasion and vibration.

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**  
**Medium**

Rating \_\_\_\_\_ VW-1

**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**

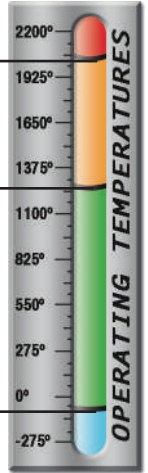
1=No Effect      4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

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>	