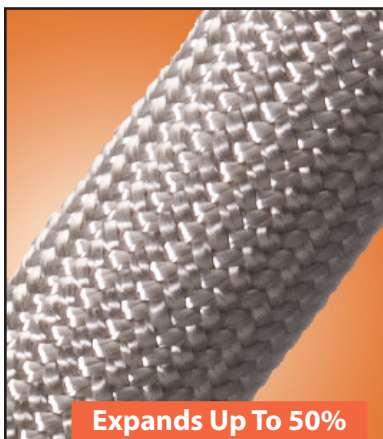




- **UL Recognized**
- **Continuous Filament E-Type Glass**
- **Resists Abrasion, Vibration, And Mechanical Stress**
- **Easy To Install - Cuts With Scissors**
- **Stays Flexible In Low Temps**

**Put-Ups**

Nominal Size	Part #	Wall Thickness	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Kgs/ 100m
			Min.	Max.				
12,7mm	FHH0.50NT	0,6mm	9,5mm	15,9mm	30,5m	15,2m	Natural	5,21
19,1mm	FHH0.75NT	1,0mm	15,9mm	29,4mm	30,5m	15,2m	Natural	11,91
25,4mm	FHH1.00NT	0,8mm	22,2mm	34,9mm	15,2m	7,6m	Natural	10,42
31,8mm	FHH1.25NT	0,9mm	25,4mm	44,5mm	15,2m	7,6m	Natural	15,63
38,1mm	FHH1.50NT	0,9mm	28,6mm	54,0mm	15,2m	7,6m	Natural	14,88



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

**Material**

**Fiberglass**

**Grade**

**FHH**

**Wall Thickness**

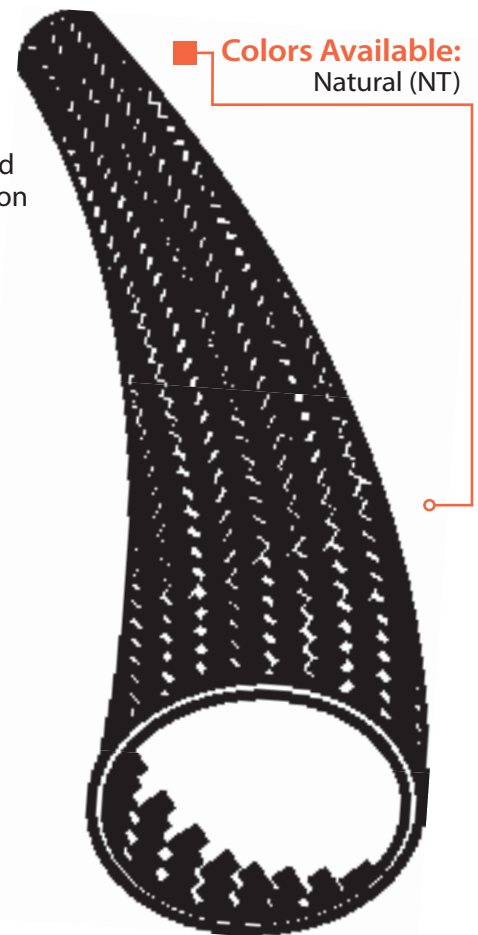
**Refer to Chart**

**Heavy Wall Fiberglass  
Protects To 650°C**

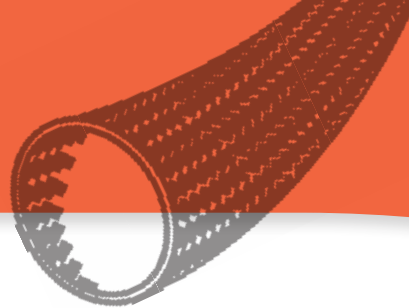
The heavy wall (0,8mm) construction, large available diameters and high expandability of Ultraflex Pro provides a high level of protection and ease of installation when used to insulate pipes and hoses subject to abrasion and vibration.

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/24°C**

**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

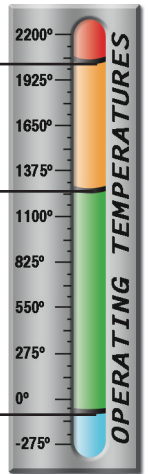
1=No Effect      4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

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
ASTM D-204	
Flammability Rating _____	VW-1
Recommended Cutting _____	Scissor
Colors _____	1
Wall Thickness _____	0,6-0,9mm
Tensile Strength (Yarn) _____	
ASTM D-2256 Lbs	
Specific Gravity ASTM D-792 _____	1,0-1,8
Moisture Absorption _____	0,01
% ASTM D-570	
Hard Vacuum Data _____	
ASTM E-595 at 10-5 torr	
TML _____	0,01
CVCM _____	0,00
WVR _____	0,00
Smoke D-Max _____	
ASTM E-662	
Outgassing _____	Low
Oxygen Index _____	
ASTM D-2863	