

INSULTHERM™ ULTRAFLEXX PRO

- **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



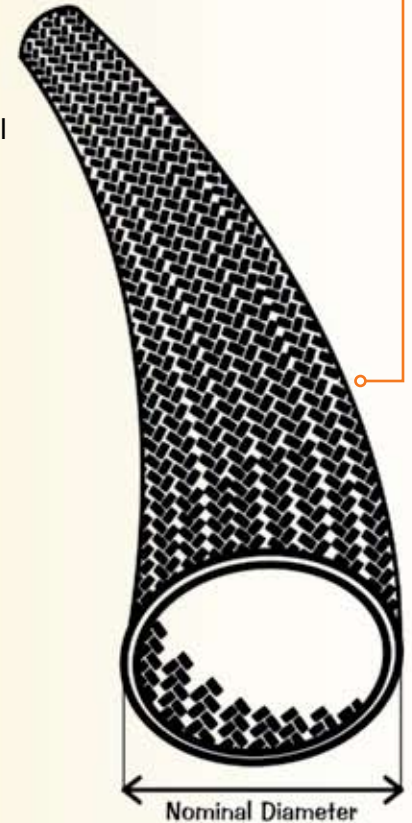
**Expands Up To 50%
For Easy Installation**

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"**

Material	Fiberglass
Grade	FHH
Wall Thickness	Refer to Chart



INSULTHERM™ ULTRAFLEXX PRO



Abrasion Resistance
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**



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 _____ **.025-.035**

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