

Available

Colors

Natural

Natural

Natural

Natural

Natural

Lbs/ 100'

3.50

8.00

7.00

10.50

10.00

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



For Easy Installation

Material **Fiberglass**

Grade FHH

Wall Thickness Refer to Chart

Heavy Wall Fiberglass Protects To 1,200°F

Part

#

FHH0.50NT

FHH0.75NT

FHH1.00NT

FHH1.25NT

FHH1.50NT 0.035"

Nominal

Size

1/2"

3/4″

1"

1 1/4"

1 1/2″

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.

Wall

Thickness

0.025″

0.040"

0.032"

0.035"

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

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

Colors Available: Natural (NT)



104 Demarest Road • Sparta, NJ 07871

VW-1 91



Bulk

Spool

100'

100'

50′

50'

50′

Shop

Spool

50'

50′

25′

25′

25′

Expansion Range

Max.

5/8″

1 5/32"

1 3/8"

1 3/4"

2 1/8"

Min.

3/8″

5/8″

7/8″

1″

1 1/8″

EXTREME TEMPERATURE Technical Data Sheet



SABRASION AFLAMMABILITY

Abrasion Resistance Medium

Rating _____

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



1=No Effect 2=Little Effect 3=Affected

4=More Affected 5=Severely Affected

VW-1

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 <i>MIL-H-5606</i>	1
Lube Oil <i>MIL-L-7808</i>	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)

www.techflex.com

2200

Minimum Continuous -94°F (-70°C)⁻

O PHYSICAL PROPERTIES

Monofilament Diameter ASTM D-204	NA
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 % ASTM D-570	.01
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	

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