

Available

Colors

Natural

Natural

Natural

Natural

Natural

Shop

Spool

50'

50′

25′

25′

25′

Bulk

Spool

100'

100'

50′

50'

50′

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"

Expansion Range

Max.

5/8″

1 5/32"

1 3/8"

1 3/4"

2 1/8"

Min.

3/8″

5/8″

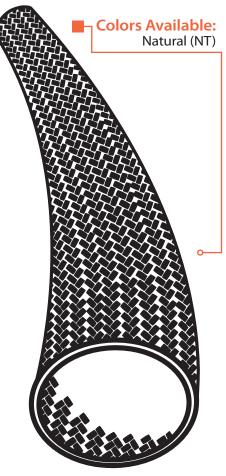
7/8″

1″

1 1/8″

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"





VW-1 S

EXTREME TEMPERATURE Technical Data Sheet



CABRASION **A**FLAMMABILITY

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 | |
| Strong Bases | |
| Salt Water 0-S-1926 | |
| Hydraulic Fluid <i>MIL-H-5606</i> | 1 |
| Lube Oil <i>MIL-L-7808</i> | 1 |
| De-Icing Fluid MIL-A-8243 | |
| 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

TEMPERATURES 1925° 1650 1375° 11009 8250 OPERATING 550 275° -275

www.techflex.com

2200

PHYSICAL **PROPERTIES**

-94°F (-70°C)

| Monofilament Diameter ASTM D-204 | NA |
|---|---------|
| Flammability Rating | VW-1 |
| Recommended Cutting | Scissor |
| Colors | 1 |
| Wall Thickness | |
| 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 <i>ASTM E-662</i> | |
| Outgassing | Low |
| Oxygen Index ASTM D-2863 | |

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