



**F6® HEAVY**  
**CHAFE PROTECTION WRAP · CUT-THROUGH RESISTANCE**  
**NO TOOL INSTALL · LIGHTWEIGHT AND VERY FLEXIBLE · SELF CLOSING**

F6® HEAVY (F6H) is a unique composite wrap-around chafe guard made from resistant synthetic polymers. Techflex® F6® Heavy is reimagined from the ground up to protect hoses and cables from chafing and abrasion. The easy wrap installation technology is a first for the hydraulic and fluid transfer industry. By combining the extreme cut and abrasion defense of a traditional woven nylon protection sleeve and the self-wrapping properties of our best-selling F6® line of products we have created a new standard for fast in field hose and wire protection. We have eliminated the need to disconnect fittings, connectors and hoses in order to properly protect your systems from damage. Simply apply F6® Heavy and get back work.

**SIZING CHART**

| Nominal Size | Part #    | Wall Thickness | *Put-Ups |      | Available Colors | Lbs/100' |
|--------------|-----------|----------------|----------|------|------------------|----------|
|              |           |                | M        | L    |                  |          |
| 3/8"         | F6H0.38BK | .06"           | 75'      | 150' | 1                | 3.20     |
| 1/2"         | F6H0.50BK | .06"           | 50'      | 100' | 1                | 3.90     |
| 5/8"         | F6H0.63BK | .06"           | 50'      | 100' | 1                | 4.70     |
| 3/4"         | F6H0.75BK | .06"           | 50'      | 100' | 1                | 5.00     |
| 1"           | F6H1.00BK | .06"           | 25'      | 75'  | 1                | 6.20     |
| 1 3/8"       | F6H1.38BK | .06"           | 25'      | 75'  | 1                | 7.50     |

\*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool



**FEATURES**

|                       |                            |
|-----------------------|----------------------------|
| Material              | Polyethylene Terephthalate |
| Grade                 | F6H                        |
| Monofilament Diameter | .06"                       |
| Drawing Number        | TF001F6H-WD                |
| Cutting               | Scissors                   |

**COLORS**



Black (BK)

**CERTIFICATIONS**





## ABRASION

|  |                    |
|--|--------------------|
| Abrasion Resistance                        | <b>Extreme</b>     |
| Abrasion Test Machine                      | Taber 5150         |
| Abrasion Test Wheel                        | Calibrase H-18     |
| Abrasion Test Load                         | 500g               |
| Room Temperature                           | 71°F               |
| Humidity                                   | 72%                |
| First Signs Of Slight Fibers Chafed        | 1,000 Test Cycles  |
| Wearing Of Yarns Is Deeper & Uniform       | 6,000 Test Cycles  |
| Material Destroyed - Hole                  | 10,000 Test Cycles |
| Pre-Test Weight                            | 6.7123 g           |
| Post-Test Weight                           | 6.1526 g           |
| Test End Loss Of Mass Point Of Destruction | 0.5597 g           |

## PHYSICAL PROPERTIES

|  |          |
|--|----------|
| Monofilament Diameter (ASTM D-204)         | .02"     |
| Flammability Rating                        |          |
| Recommended Cutting                        | Scissors |
| Colors                                     | 1        |
| Wall Thickness                             | .06"     |
| Tensile Strength (Yarn) (ASTM D-2256 Lbs)  |          |
| Specific Gravity (ASTM D-792)              | 1.38     |
| Moisture Absorption % (ASTM D-570)         | 2.7      |
| Hard Vacuum Data (ASTM E-595 at 10-5 torr) |          |
| TML  | 1.10     |
| CVCM                                       | .01      |
| WVR  | .69      |
| Smoke D-Max (ASTM E-662)                   |          |
| Outgassing                                 | High     |
| Oxygen Index (ASTM D-2863)                 | 22       |

## FLAMMABILITY

|        |  |
|--------|--|
| Rating |  |
|--------|--|

## OPERATING TEMPERATURES

|                          |               |
|--------------------------|---------------|
| Melt Point (ASTM D-2117) | 482°F / 250°C |
| Maximum Continuous       | 257°F / 125°C |
| Minimum Continuous       | -94°F / -70°C |

## CHEMICAL RESISTANCE

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

|                              |      |
|------------------------------|------|
| Aromatic Solvents            | 2    |
| Aliphatic Solvents           | 1    |
| Chlorinated Solvents         | 3    |
| Weak Bases                   | 1    |
| Salts                        | 1    |
| Strong Bases                 | 2    |
| 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                 | 3    |
| Strong Oxidants              | 2    |
| Esters/Ketones               | 1    |
| UV Light                     | 1    |
| Petroleum                    | 1    |
| Fungus (ASTM G-21)           | 1    |
| Halogen Free                 | Yes  |
| RoHS                         | Yes  |
| SVHC                         | None |