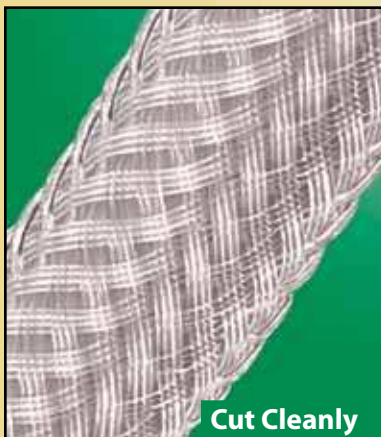


**TECHON PFA**

- Plenum Suitable
- FAR 25 Approved
- Expands Up To 150%
- Resists Gasoline And Other Chemicals
- Cut And Abrasion Resistant

**Put-Ups**

| Nominal Size        | Part #    | Expansion Range |        | Bulk Spool | Shop Spool | Available Colors | Lbs/100' |
|---------------------|-----------|-----------------|--------|------------|------------|------------------|----------|
|                     |           | Min             | Max    |            |            |                  |          |
| 1/8"                | TFN0.13NT | 3/32"           | 1/4"   | 1,000'     | 225'       | Natural          | 0.50     |
| 1/4"                | TFN0.25NT | 3/16"           | 3/8"   | 1,000'     | 200'       | Natural          | 0.68     |
| 3/8"                | TFN0.38NT | 1/4"            | 3/4"   | 500'       | 125'       | Natural          | 2.20     |
| 1/2"                | TFN0.50NT | 3/8"            | 7/8"   | 500'       | 100'       | Natural          | 2.60     |
| 3/4"                | TFN0.75NT | 5/8"            | 1 1/4" | 250'       | 75'        | Natural          | 2.90     |
| 1 1/4"              | TFN1.25NT | 1 1/8"          | 1 1/2" | 200'       | 50'        | Natural          | 4.80     |
| 1 3/4"              | TFN1.75NT | 1 3/8"          | 1 3/4" | 200'       | 50'        | Natural          | 5.50     |
| 2"                  | TFN2.00NT | 1 11/16"        | 2 1/8" | 200'       | 25'        | Natural          | 6.40     |
| <b>Overexpanded</b> |           |                 |        |            |            |                  |          |
| 1/2"                | TFO0.50NT | 3/8"            | 1"     | 500'       | 100'       | Natural          | 2.60     |



**Cut Cleanly**  
**Hot Knife**

**High Temp Stable, Abrasion Resistant, Low Outgassing**

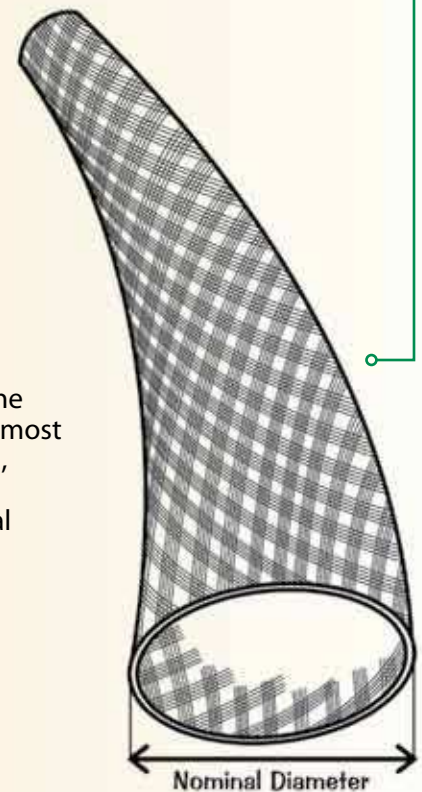
TECHON PFA (TF) expandable sleeving is ideal in applications where flame, chemical and very high temperature resistance are significant considerations. Braided from 16 mil perfluoroalkoxy (PFA) polymer monofilament.

The high temperature properties of TF make it the ideal choice for aerospace, military and high-tech applications where thermal stability and low outgassing are critical. TF is suitable for plenum applications.

**What Makes Techon PFA so Special?**

Techon PFA is inert to virtually all chemicals and is considered the most slippery material on the planet. These properties have made it one of the most valuable and versatile technologies ever invented, contributing to advancements in areas such as aerospace, communications, electronics, industrial processes and architecture.

**Colors Available:**  
Natural (NT)



**Material**  
Perfluoroalkoxy

**Grade**  
TFN

**Monofilament Diameter**  
.016"

**Drawing Number**  
TF001TF-WD

**High temperature resistance and low outgassing allows Techon PFA sleeving to function in high-temp environments.**



**TECHON PFA**



**Abrasion Resistance**  
Very High

**Abrasion Test Machine**  
Taber 5150

**Abrasion Test Wheel**  
Calibrase H-18

**Abrasion Test Load**  
500g

**Room Temperature**  
71°F

**Humidity**  
59%

**Slight Rough Surface And  
A Few Filaments Broken**  
1,500 Test Cycles

**Visible Wear And Three  
Filaments Broken**  
2,000 Test Cycles

**Material Destroyed**  
3,000 Test Cycles

**Pre-Test Weight**  
13,955.5 mg

**Post-Test Weight**  
12,911.9 mg

**Test End Loss Of Mass  
Point Of Destruction**  
1,043.6 mg



Rating \_\_\_\_\_ FAR 25



**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               | _____ | 1   |
| Strong Oxidants            | _____ | 1   |
| Esters/Keytones            | _____ | 2   |
| UV Light                   | _____ | 1   |
| Petroleum                  | _____ | 1   |
| Fungus ASTM G-21           | _____ | 1   |
| Halogen Free               | _____ | No  |
| RoHS                       | _____ | Yes |
| SVHC                       | _____ |     |

**Melt Point**  
ASTM D-2117  
590°F (310°C)

**Maximum Continuous**  
MIL-I-23053  
550°F (280°C)

**Minimum Continuous**  
-94°F (-70°C)



**PHYSICAL PROPERTIES**

|                             |                         |                |
|-----------------------------|-------------------------|----------------|
| Monofilament Diameter       | _____                   | .016           |
| ASTM D-204                  |                         |                |
| Flammability Rating         | _____                   | FAR 25         |
| Recommended Cutting         | _____                   | Hot Wire/Knife |
| Colors                      | _____                   | 1              |
| Wall Thickness              | _____                   | .04            |
| Tensile Strength (Yarn)     | _____                   | 2.1            |
| ASTM D-2256 Lbs             |                         |                |
| Specific Gravity ASTM D-792 | _____                   | 2.15           |
| Moisture Absorption         | _____                   | <.01           |
| % ASTM D-570                |                         |                |
| Hard Vacuum Data            | ASTM E-595 at 10-5 torr |                |
| TML                         | _____                   | .00            |
| CVCM                        | _____                   | .00            |
| WVR                         | _____                   | 0              |
| Smoke D-Max                 | _____                   |                |
| ASTM E-662                  |                         |                |
| Outgassing                  | _____                   | Very Low       |
| Oxygen Index                | _____                   | >95            |
| ASTM D-2863                 |                         |                |

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