



- 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	Kgs/100m
		Min	Max				
3,2mm	TFN0.13	2,4mm	6,4mm	304,8m	68,6m	NT & BK	0,74
6,4mm	TFN0.25	4,8mm	9,5mm	304,8m	61,0m	NT & BK	1,01
9,5mm	TFN0.38	6,4mm	19,1mm	152,4m	38,1m	NT & BK	3,27
12,7mm	TFN0.50	9,5mm	22,2mm	152,4m	30,5m	NT & BK	3,87
19,1mm	TFN0.75	15,9mm	31,8mm	76,2m	22,9m	NT & BK	4,32
31,8mm	TFN1.25	28,6mm	38,1mm	61,0m	15,2m	NT & BK	7,14
44,5mm	TFN1.75	34,9mm	44,5mm	61,0m	15,2m	NT & BK	8,18
50,8mm	TFN2.00	42,9mm	54,0mm	61,0m	7,6m	NT & BK	9,52



**Cut Cleanly  
Hot Knife**

**Material**

**Perfluoroalkoxy**

**Grade**

**TFN**

**Monofilament Diameter**

**0,41mm**

**Drawing Number**

**TF001TF-WD**

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

FLEXO® PFA (TFN) expandable sleeving is ideal in applications where flame, chemical and very high temperature resistance are significant considerations. Braided from 16 mil perfluoroalkoxy (TFN) polymer monofilament. The high temperature properties of Flexo® PFA make it the ideal choice for aerospace, military and high-tech applications where thermal stability and low outgassing are critical. Flexo® PFA is suitable for plenum applications.

**What Makes Flexo PFA So Special?**

Flexo® 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.

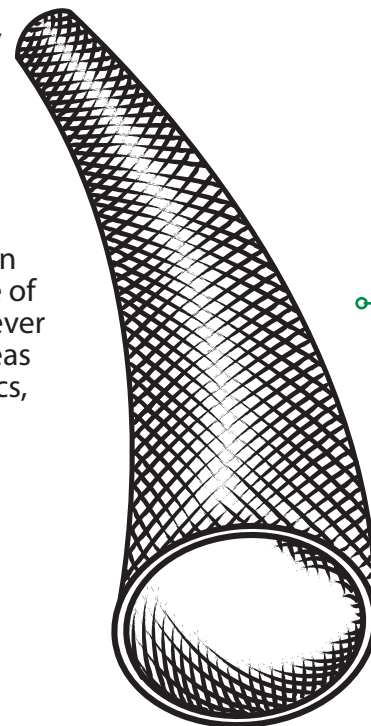
Colors Available:



Natural (NT) and Black (BK).

**Colors Available:**

Natural (NT) & Black(BK)



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

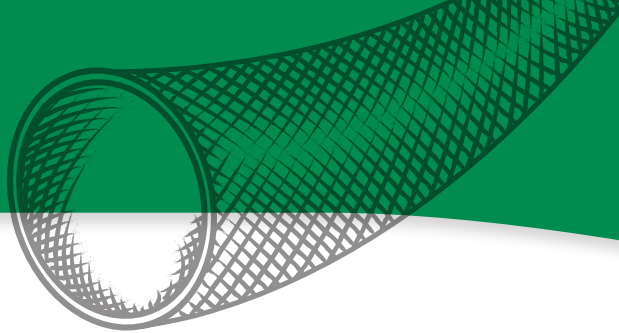


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FAR-25





## ABRASION FLAMMABILITY

**Abrasion Resistance**  
Very High

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

**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

## CHEMICAL RESISTANCE

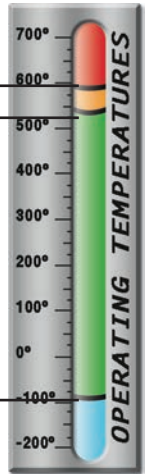
1=No Effect      4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

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/Ketones _____	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 _____	0,41mm
ASTM D-204	
Flammability Rating _____	FAR 25
Recommended Cutting _____	Hot Knife
Colors _____	2
Wall Thickness _____	1,01mm
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	