



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

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
Overexpanded							
1/2"	TFO0.50NT	3/8"	1"	500'	100'	Natural	2.60

Put-Ups



Cut Cleanly
Hot Knife

High Temp Stable, Abrasion Resistant, Low Outgassing

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

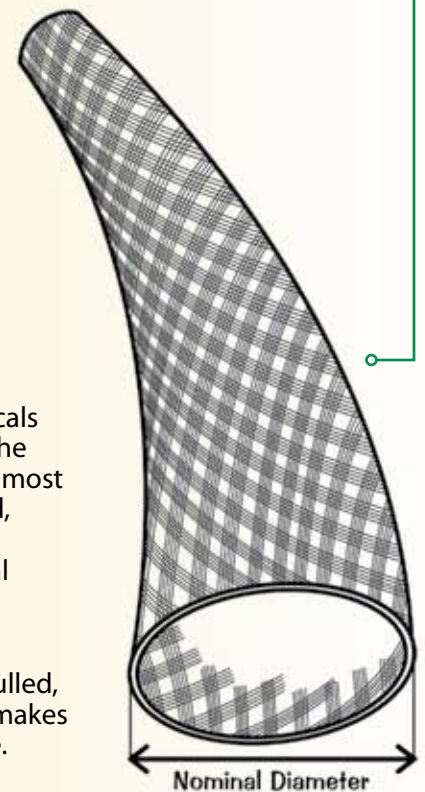
The high temperature properties of TF make it the ideal choice for aerospace, military and high-tech applications where thermal stability and low outgassing are critical. TF is suitable for plenum applications.

What Makes Teflon® so Special?

Since it's accidental discovery in 1938, Teflon has emerged as one of the most useful polymers in existence. Teflon® 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.

One of Teflon's most unusual properties was only recently discovered. When strands of PTFE are pulled, they actually get fatter rather than thinner! This makes the polymer incredibly hard without being brittle.

Colors Available:
Natural (NT)



Material	Perfluoroalkoxy
Grade	TFN
Monofilament Diameter	.016"
Drawing Number	TF001TF-WD



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



FAR-25



TEFLON®



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

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