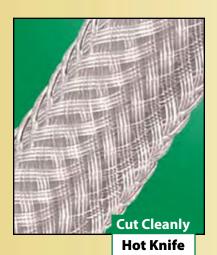
## **TEFLON®**

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

Nominal Size	Part #	Expansion Range		Bulk	Shop	Available	Lbs/
		Min	Max	Spool	Spool	Colors	100′
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 —



### **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.

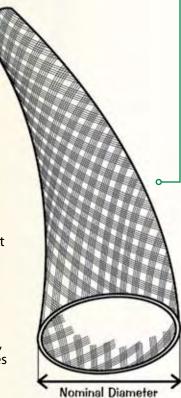
The high temperature properties of TF make it the ideal choice for aerospace, military and high-tech applications where thermal stability and low outgassing are critical. TF is suitable for plenum applications.

#### 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<sup>®</sup> 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.





#### Material

Perfluoroalkoxy

#### Grade

**TFN** 

#### **Monofilament Diameter**

.016"

#### **Drawing Number**

TF001TF-WD



www.techflex.dk

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





## Technical Data Sheet

## **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

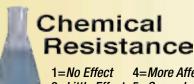
**Material Destroyed** 3,000 Test Cycles

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

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

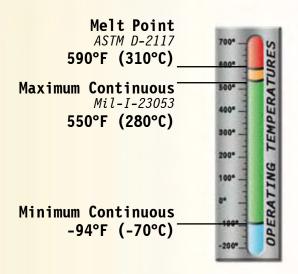
**Test End Loss Of Mass Point Of Destruction** 1,043.6 mg





4=More Affected 2=Little Effect 5=Severely Affected

3-Alieuleu	
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	



# PHYSICAL PROPERTIES

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

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