



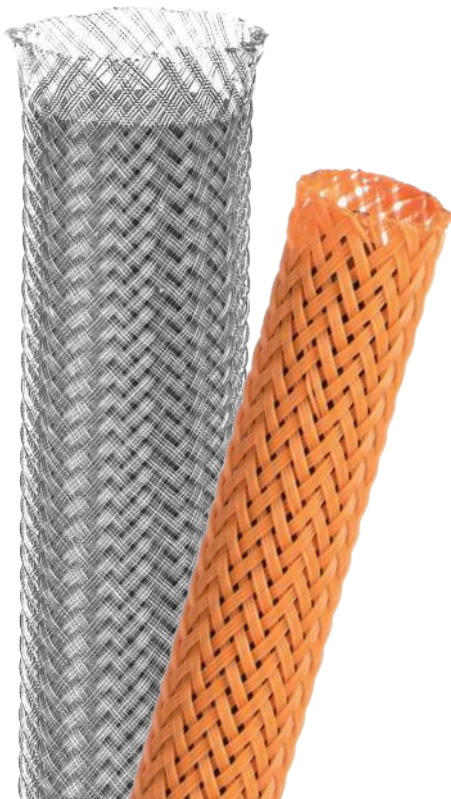
FLEXO® PFA HIGH TEMP STABLE · LOW OUTGASSING PLENUM SUITABLE

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.

SIZING CHART

Nominal Size	Part #	Min Expansion	Max Expansion	*Put-Ups		Available Colors	Lbs/100'
				M	L		
1/8"	TFN0.13	3/32"	1/4"	225'	1,000'	3	0.50
1/4"	TFN0.25	3/16"	3/8"	200'	1,000'	3	0.68
3/8"	TFN0.38	1/4"	3/4"	125'	500'	3	2.20
1/2"	TFN0.50	3/8"	7/8"	100'	500'	3	2.60
3/4"	TFN0.75	5/8"	1 1/4"	75'	250'	3	2.90
1 1/4"	TFN1.25	1 1/8"	1 1/2"	50'	200'	3	4.80
1 3/4"	TFN1.75	1 3/8"	1 3/4"	50'	200'	3	5.50
2"	TFN2.00	1 11/16"	2 1/8"	25'	200'	3	6.40

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



FEATURES

Material	Perfluoroalkoxy
Grade	TFN
Monofilament Diameter	.016"
Drawing Number	TF001TFN-WD
Cutting	Hot Knife

COLORS



Natural (NT, Black (BK), Orange (OR)

CERTIFICATIONS





ABRASION

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 & A Few Filaments Broken	1,500 Test Cycles
Visible Wear	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

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	.016"
Flammability Rating (FMVSS-302 Approved)	FAR-25
Recommended Cutting	Hot Knife
Colors	3
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	Very Low
Oxygen Index (ASTM D-2863)	>95

FLAMMABILITY

Rating	FAR-25
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OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	590°F / 310°C
Maximum Continuous (Mil-I-23053)	550°F / 280°C
Minimum Continuous (Mil-I-23053)	-94°F / -70°C

CHEMICAL RESISTANCE

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

Aromatic Solvents	1
Aliphatic Solvents	1
Chlorinated Solvents	1
Weak Bases	1
Salts	1
Strong Bases	1
Salt Water (O-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	