

FLEXO PPS

- FAR 25 Approved
- Ultra-Light Weight
- Highly Wear Resistant
- Expands Up To 150%
- Resists Acids, Bases, Solvents And Fuels
- Cut And Abrasion Resistant

Put-Ups

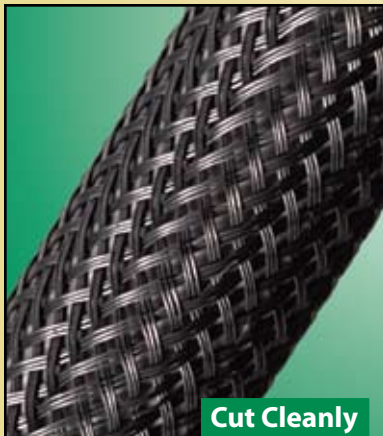
Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/ 100'
		Min	Max				
1/8"	RYN0.13	3/32"	1/4"	1,000'	225'	2	0.21
1/4"	RYN0.25	1/8"	3/8"	1,000'	200'	2	0.36
1/2"	RYN0.50	1/4"	3/4"	500'	100'	2	0.59
3/4"	RYN0.75	1/2"	1 1/4"	250'	75'	2	0.75
1 1/4"	RYN1.25	3/4"	1 3/4"	250'	50'	2	1.30
1 3/4"	RYN1.75	1 1/4"	2 1/2"	200'	50'	2	1.60
2"	RYN2.00	1 5/16"	2 3/8"	200'	50'	2	2.00

Ultra Lightweight High-Temp Tolerant And Virtually Impervious To Chemical Degradation

FLEXO PPS expandable sleeving is used in high temperature, flame resistant wire harnesses and cable assemblies. Flexo PPS is an extremely lightweight sleeving, resistant to high temperatures and virtually impervious to solvents. This sleeving is ideal for aerospace, telecom and military applications and meets many engineering goals including; chemical resistance, high temperature stability, zero moisture absorption, excellent dimensional stability and ultra-low wear.

Flexo PPS is braided from 8 mil flame resistant PolyPhenylene Sulfide (PPS) monofilament fibers. PPS offers the broadest resistance to chemicals of any advanced engineering plastic. The material resists all known solvents below 392°F (200°C) and is inert to steam, strong bases, fuels and acids.

Colors Available:
2 = NT and BK.



**Cut Cleanly
Hot Knife**

Material

Polyethylene Sulphide

Grade

RYN

Monofilament Diameter

.008"

Drawing Number

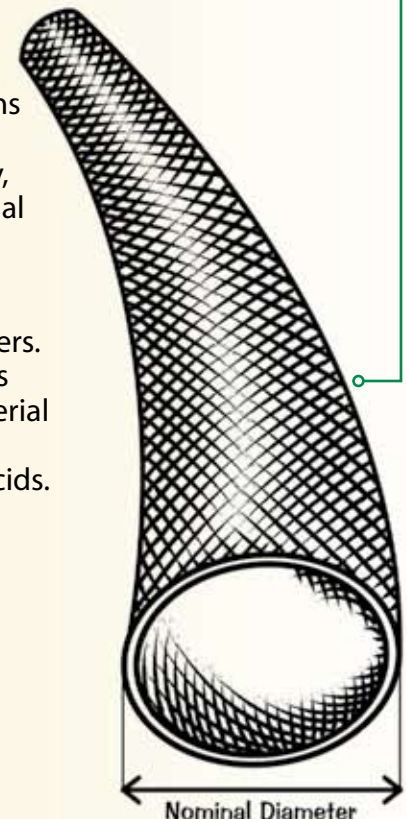
TF001RY-WD

A true aerospace material, Flexo PPS is ideal in satellite applications where weight and stability are of primary importance.

Colors Available:



Natural (NT) and Black (BK).



Nominal Diameter

TECHFLEX
Braided Sleeving Products

www.techflex.com

800.323.5140 • 973.300.9242 • fax: 973.300.9409
29 Brookfield Dr • Sparta, NJ 07871

UL94 V-O FAR-25



FLEXO PPS



Abrasion Resistance
Medium

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

Room Temperature
71°F

Humidity
59%

Very Visible Wear And
Several Filaments Broken
100 Test Cycles

Wear Continues
150 Test Cycles

Material Destroyed
450 Test Cycles

Pre-Test Weight
3,079.2 mg

Post-Test Weight
2,614.9mg

Test End Loss Of Mass
Point Of Destruction
464.3 mg



Rating _____ FAR 25, UL94 V-0



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 _____	1
UV Light _____	1
Petroleum _____	1
Fungus ASTM G-21 _____	1
Halogen Free _____	Yes
RoHS _____	Yes
SVHC _____	

Melt Point
ASTM D-2117
545°F (285°C)

Maximum Continuous
Mil-I-23053
392°F (200°C)

Minimum Continuous
-94°F (-70°C)



PHYSICAL PROPERTIES

Monofilament Diameter _____	.008
ASTM D-204	
Flammability Rating _____	FAR 25, UL94 V-0
Recommended Cutting _____	Hot Knife
Colors _____	2
Wall Thickness _____	.024
Tensile Strength (Yarn) _____	6.1
ASTM D-2256 Lbs	
Specific Gravity ASTM D-792 _____	1.37
Moisture Absorption _____	.02
% ASTM D-570	
Hard Vacuum Data ASTM E-595 at 10-5 torr	
TML _____	.08
CVCM _____	.00
WVR _____	.04
Smoke D-Max _____	
ASTM E-662	
Outgassing _____	Low
Oxygen Index _____	40
ASTM D-2863	