



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

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
10 Mil							
1/8"	RZH0.13NT	1/8"	9/32"	1,000'	225'	NT	0.26

**Put-Ups**

**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.

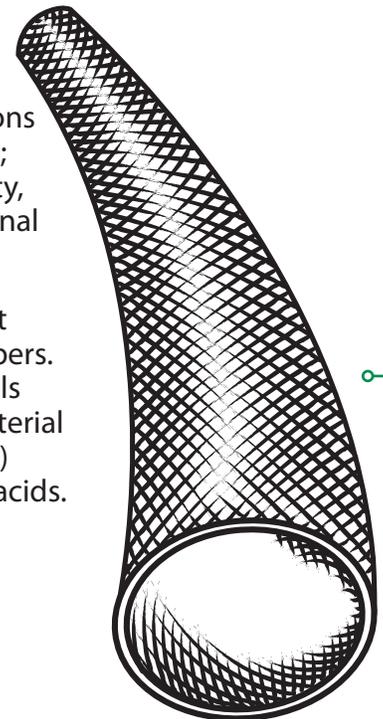
**A true aerospace material, Flexo PPS is ideal in satellite applications where weight and stability are of primary importance.**

Colors Available:



Natural (NT) and Black (BK).

**Colors Available:**  
2 = NT and BK



**Cut Cleanly  
Hot Knife**

**Material**  
Polyethylene Sulphide

**Grade**  
RYN

**Monofilament Diameter**  
.008"

**Drawing Number**  
TF001RY-WD

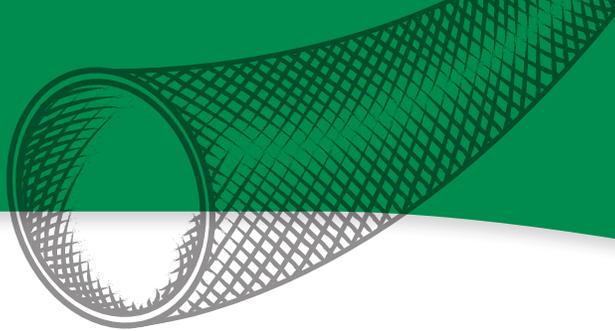


1 (833) SLEEVIING • (973) 300-9242 • fax: (973) 300-9409  
104 Demarest Road • Sparta, NJ 0787



**UL94 V-O FAR-25**





## ABRASION FLAMMABILITY

**Abrasion Resistance**  
Medium

Rating \_\_\_\_\_ FAR 25, UL94 V-O

**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

## CHEMICAL RESISTANCE

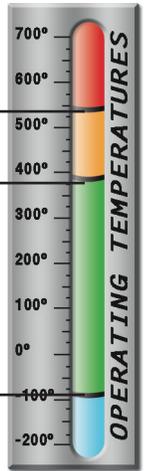
1=No Effect      4=More Affected  
2=Little Effect      5=Severely Affected  
3=Affected

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 _____	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-O	
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	

www.techflex.com