



- 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	Kgs/ 100m
		Min	Max				
3,2mm	RYN0.13	2,4mm	6,4mm	304,8m	68,6m	2	0,31
6,4mm	RYN0.25	3,2mm	9,5mm	304,8m	61,0m	2	0,54
12,7mm	RYN0.50	6,4mm	19,1mm	152,4m	30,5m	2	0,88
19,1mm	RYN0.75	12,7mm	31,8mm	76,2m	22,9m	2	1,12
31,8mm	RYN1.25	19,1mm	44,5mm	76,2m	15,2m	2	1,93
44,5mm	RYN1.75	31,8mm	63,5mm	61,0m	15,2m	2	2,38
50,8mm	RYN2.00	33,3mm	60,3mm	61,0m	15,2m	2	2,98
10 Mil							
3,2mm	RZH0.13NT	3,2mm	7,1mm	304,8m	68,6m	NT	0,39

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



Cut Cleanly
Hot Knife

Material

Polyethylene Sulphide

Grade

RYN

Monofilament Diameter

0,20mm

Drawing Number

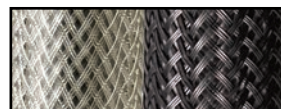
TF001RY-WD

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.

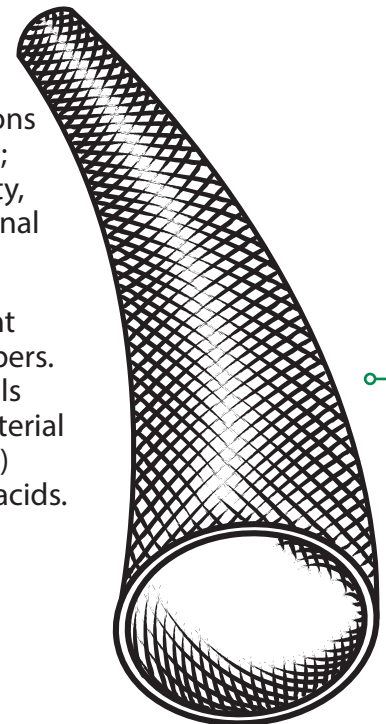
Colors Available:



Natural (NT) and Black (BK).

Colors Available:

2 = NT and BK.





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

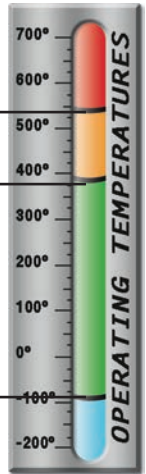
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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 _____	0,20mm
ASTM D-204	
Flammability Rating _____	FAR 25, UL94 V-O
Recommended Cutting _____	Hot Knife
Colors _____	2
Wall Thickness _____	0,61mm
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	