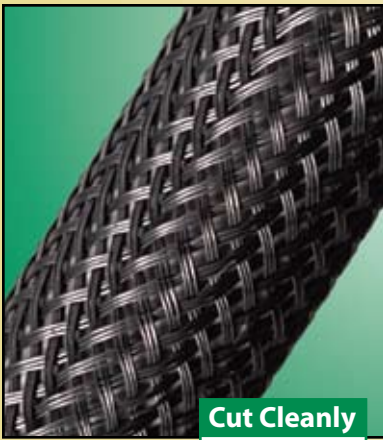


FLEXO PPS

- 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 |



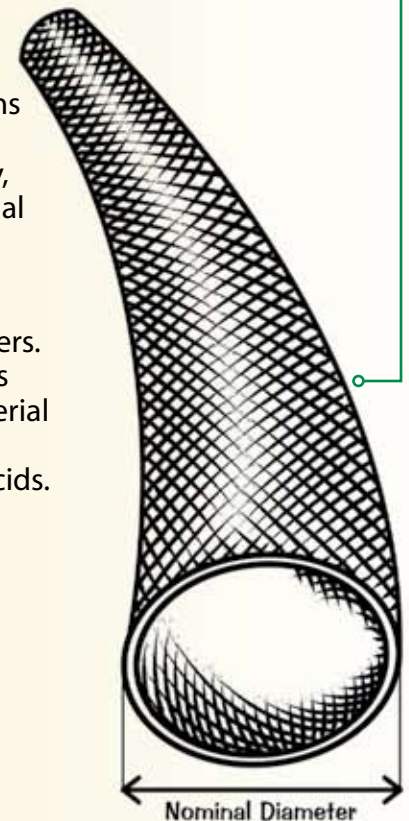
**Cut Cleanly
 Hot Knife**

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.



■ **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).

| | |
|------------------------------|------------------------------|
| Material | Polyethylene Sulphide |
| Grade | RYN |
| Monofilament Diameter | .008" |
| Drawing Number | TF001RY-WD |



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

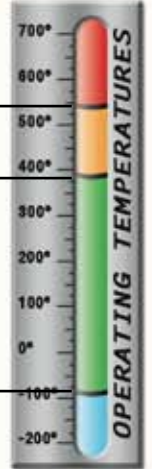
1=No Effect 4=More Affected
 2=Little Effect 5=Severely Affected
 3=Affected

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

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