



FLEXO® PPS

ULTRA LIGHT-WEIGHT · HIGH-TEMP TOLERANT 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.

SIZING CHART

Nominal Size	Part #	Min Expansion	Max Expansion	*Put-Ups		Available Colors	Lbs/100'
				M	L		
1/8"	RYN0.13	3/32"	1/4"	225'	1,000'	2	0.21
1/4"	RYN0.25	1/8"	3/8"	200'	1,000'	2	0.36
1/2"	RYN0.50	1/4"	3/4"	100'	500'	2	0.59
3/4"	RYN0.75	1/2"	1 1/4"	75'	250'	2	0.75
1 1/4"	RYN1.25	3/4"	1 3/4"	50'	250'	2	1.30
1 3/4"	RYN1.75	1 1/4"	2 1/2"	50'	200'	2	1.60
2"	RYN2.00	1 5/16"	2 3/8"	50'	200'	2	2.00
10 MIL							
1/8"	RZH0.13NT	1/8"	9/32"	225'	1,000'	NT	0.26

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

FEATURES

Material	Polyethylene Sulphide
Grade	RYN
Monofilament Diameter	.008"
Drawing Number	TF001RYN-WD
Cutting	Hot Knife

COLORS



Black (BK), Natural (NT)

CERTIFICATIONS

				UL94V-0 FAR-25
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ABRASION

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 & Several Filaments Broken	100 Test Cycles
Wear Continues	150 Test Cycles
Material Destroyed	450 Test Cycles
Pre-Test Weight	3,079.2 g
Post-Test Weight	2,614.9 g
Test End Loss Of Mass Point Of Destruction	464.3 g

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	.008"
Flammability Rating	FAR 25, UL94V-0
Recommended Cutting	Hot Knife
Colors	2
Wall Thickness	.024"
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	6.1
Specific Gravity (ASTM D-792)	1.37
Moisture Absorption % (ASTM D-570)	.02
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	NA
TML	.08
CVCM	.00
WVR	.04
Smoke D-Max (ASTM E-662)	NA
Outgassing	Low
Oxygen Index (ASTM D-2863)	40

FLAMMABILITY

Rating	FAR 25, UL94V-0
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OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	545°F / 285°C
Maximum Continuous (Mil-I-23053)	392°F / 200°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 (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	NA