



## FLEXO® POLY-PRO PREMIUM POLYMER CONSTRUCTION ULTRA FLEXIBLE · BASE AND ACID RESISTANT

Flexo® Poly-Pro (PPN) was developed for applications where high flexibility and specific chemical properties are a must. Made from Polypropylene, Flexo® Poly-Pro is a highly specialized polymer option for your next project. It will not break as a result of continual movement and will maintain its shape after many cycles of bending and flexing which makes it an ideal solution for many applications. Not only that, Flexo® Poly-Pro is also boasts resistance to a wide range of bases, acids, and moisture absorption. The lightweight polymer itself also has outstanding resistance to electrical current. For these reasons, Flexo® Poly-Pro is often used in water treatment applications and where direct exposure to a wide range of other environmental conditions are found. This sleeving is a cinch to install over long runs due to its high expansion and ultra-flexibility and cuts best with a hot knife.

### SIZING CHART

Nominal Size	Part #	Min Expansion	Max Expansion	*Put-Ups		Available Colors	Lbs/100'
				M	L		
1/8"	PPN0.13BK	3/32"	1/4"	225'	1,000'	1	0.10
1/4"	PPN0.25BK	1/8"	3/8"	200'	1,000'	1	0.16
3/8"	PPN0.38BK	3/16"	1/2"	125'	500'	1	0.33
1/2"	PPN0.50BK	1/4"	3/4"	100'	500'	1	0.45
3/4"	PPN0.75BK	1/2"	1 1/4"	75'	250'	1	0.66
1"	PPN1.00BK	5/8"	1 5/8"	65'	250'	1	0.74
1 1/4"	PPN1.25BK	3/4"	1 3/4"	50'	250'	1	0.88
1 1/2"	PPN1.50BK	1"	2 1/8"	40'	200'	1	1.30
1 3/4"	PPN1.75BK	1 1/4"	2 3/4"	30'	200'	1	1.59
3"	PPN3.00BK	2 1/2"	5 1/8"	50'	100'	1	2.32
3 END CONSTRUCTION							
2"	PP32.00BK	1 1/2"	3 1/2"	50'	200'	1	1.45

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

### FEATURES

Material	Polypropylene
Grade	PPN
Monofilament Diameter	.010"
Drawing Number	TF001PPN-WD
Cutting	Hot Knife

### COLORS



Black (BK)

### CERTIFICATIONS





## ABRASION

Abrasion Resistance	<b>LOW</b>
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	71°F
Humidity	54%
Multiple Broken Filaments	100 Test Cycles
Holes Forming	250 Test Cycles
Material Destroyed	400 Test Cycles
Pre-Test Weight	5,988 mg
Post-Test Weight	5,828 mg
Test End Loss Of Mass Point Of Destruction	160.5 mg

## PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	.010"
Flammability Rating (FMVSS-302 Approved)	UL94
Recommended Cutting	Hot Knife
Colors	1
Wall Thickness	.025"
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	7.5
Specific Gravity (ASTM D-792)	1.38
Moisture Absorption % (ASTM D-570)	.1-.2
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	NA
TML	.19
CVCM	.00
WVR	.16
Smoke D-Max (ASTM E-662)	56
Outgassing	Medium
Oxygen Index (ASTM D-2863)	21

## FLAMMABILITY

Rating (FMVSS-302 Approved)	UL94
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## OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	482°F / 250°C
Maximum Continuous (Mil-I-23053)	257°F / 125°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	2
Aliphatic Solvents	1
Chlorinated Solvents	3
Weak Bases	1
Salts	1
Strong Bases	2
Salt Water (O-S-1926)	1
Hydraulic Fluid (MIL-H-5606)	1
Lube Oil (MIL-L-7808)	1
De-Icing Fluid (MIL-A-8243)	1
Strong Acids	3
Strong Oxidants	2
Esters/Ketones	1
UV Light	1
Petroleum	1
Fungus (ASTM G-21)	1
Halogen Free	Yes
RoHS	Yes
SVHC	None