

- Ultra Flexible
- Expands Up To 150%
- Cut And Abrasion Resistant
- Base and Acid Resistant
- Resists Moisture
- Chemical Resistant

**Put-Ups**

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/ 100'
		Min	Max				
1/8"	PPNO.13BK	3/32"	1/4"	1,000'	225'	BK	0.100
1/4"	PPNO.25BK	1/8"	3/8"	1,000'	200'	BK	0.159
3/8"	PPNO.38BK	3/16"	1/2"	500'	125'	BK	0.330
1/2"	PPNO.50BK	1/4"	3/4"	500'	100'	BK	0.450
3/4"	PPNO.75BK	1/2"	1 1/4"	250'	75'	BK	0.660
1"	PPN1.00BK	5/8"	1 5/8"	250'	65'	BK	0.740
1 1/4"	PPN1.25BK	3/4"	1 3/4"	250'	50'	BK	0.880
1 1/2"	PPN1.50BK	1"	2 1/8"	200'	40'	BK	1.300
1 3/4"	PPN1.75BK	1 1/4"	2 3/4"	200'	30'	BK	1.590
3"	PPN3.00BK	2 1/2"	5 1/8"	100'	50'	BK	2.320
<b>3 END CONSTRUCTION</b>							
2"	PP32.00BK	1 1/2"	3 1/2"	200'	50'	BK	1.449



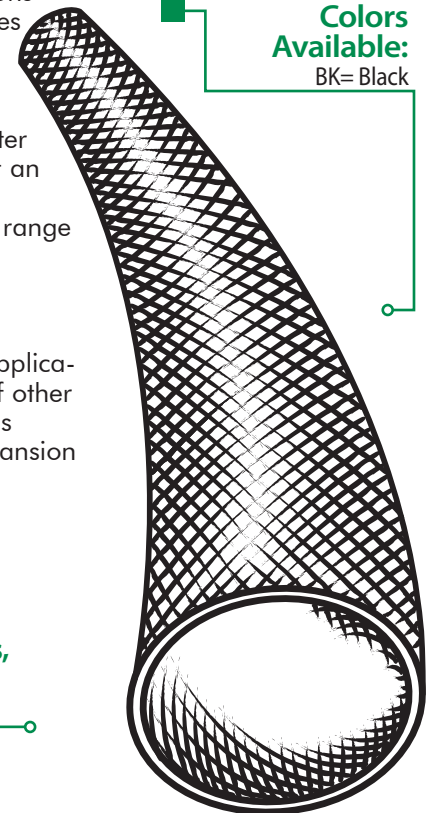
**Cut Cleanly  
Hot Knife**

**Premium Polymer Construction**

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.

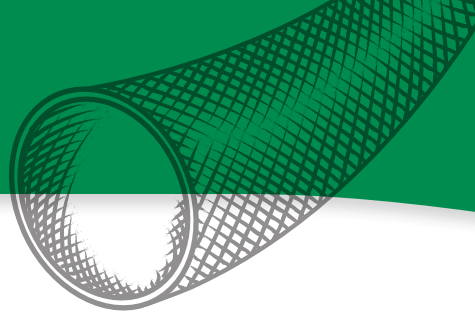
The lightweight polymer itself also has outstanding resistance to electrical current. For these reasons, Flexo® Poly-Pro is often used in water treatment applications and where direct exposure to a wide range of other environmental conditions are found. This sleeving is a cinch to install over long runs due to its high expansion and ultra-flexibility and cuts best with a hot knife.

**Colors Available:**  
BK= Black



**Wide size selection makes FLEXO® POLY-PRO ideal for customizing and protecting the wires, hoses and cables.**

<b>Material</b>	<b>Polypropylene</b>
<b>Grade</b>	<b>PPN</b>
<b>Monofilament Diameter</b>	<b>.010"</b>
<b>Drawing Number</b>	<b>TF001PPN-WD</b>



## ABRASION

**Abrasion Resistance**  
**Low**

**Abrasion Test Machine**  
**Taber 5150**

**Abrasion Test Wheel**  
**Calibrase H-18**

**Abrasion Test Load**  
**500g**

**Room Temperature**  
**71°F**

**Humidity**  
**54%**

**Multiple Broken Filament**  
**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**

## FLAMMABILITY

Rating \_\_\_\_\_ Not Tested

## CHEMICAL RESISTANCE

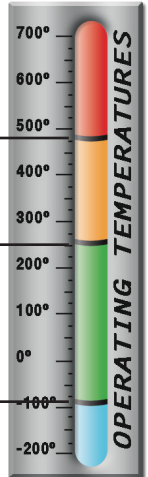
1=No Effect    4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

Aromatic Solvents _____	2
Aliphatic Solvents _____	1
Chlorinated Solvents _____	3
Weak Bases _____	1
Salts _____	1
Strong Bases _____	2
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 _____	3
Strong Oxidants _____	2
Esters/Keytones _____	1
UV Light _____	1
Petroleum _____	1
Fungus ASTM G-21 _____	1
Halogen Free _____	Yes
RoHS _____	Yes
SVHC _____	None

**Melt Point**  
ASTM D-2117  
**482°F (250°C)**

**Maximum Continuous**  
Mil-I-23053  
**257°F (125°C)**

**Minimum Continuous**  
**-94°F (-70°C)**



## PHYSICAL PROPERTIES

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

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