

# Flexo PET-O

- Expands up to 200%
- Cut and Abrasion Resistant
- Halogen Free
- FMVSS 302 Approval

## Extra Expansion for Easy Application

FLEXO PET OVEREXPANDED (PT) has many uses where inexpensive bundling is the principal consideration. Created to provide a fast easy bundling solution for automotive and marine wiring. Overexpanded opens nearly 4 to 1 making it very easy to apply. The open construction allows the underlying harness or covering to show through for a unique and attractive assembly. The material cuts easily with either scissors or a hot knife.



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/100'
		Min.	Max.	Bulk Spool	Shop Spool		
1/4"	PTO0.25	1/8"	1/2"	1,000'	200'	BK	0.24
3/8"	PTO0.38	3/16"	1"	500'	125'	BK,CL,PP,NB,RD,NY,CB	0.52
1/2"	PTO0.50	7/16"	1 3/8"	500'	100'	CL & BK	0.63

Over  
expanded  
Braided Sleeving

# Flexo PET-T

- Complete Coverage
- Improved Abrasion Resistance

## Extra Coverage

TIGHT WEAVE (PT) is designed for use in applications where optimum coverage and abrasion resistance is required. The tight braid construction increases the coverage, wear factor and improves harness security.



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/100'
		Min.	Max.	Bulk Spool	Shop Spool		
1/8"	PTT0.13BK			1,000'	225'	Black (BK)	0.29
1/4"	PTT0.25BK	11/64"	11/32"	1,000'	200'	Black (BK)	0.36
5/16"	PTT0.31BK	23/64"	19/32"	1,000'	200'	Black (BK)	0.58
1/2"	PTT0.50BK	11/32"	5/8"	500'	100'	Black (BK)	0.84
3/4"	PTT0.75BK	1/2"	13/16"	250'	75'	Black (BK)	1.10
1"	PTT1.00BK	5/8"	1 1/8"	250'	65'	Black (BK)	1.23
1 1/4"	PTT1.25BK	1"	1 11/16"	250'	50'	Black (BK)	1.30
1 1/2"	PTT1.50BK	1 1/8"	2"	200'	40'	Black (BK)	1.95
1 3/4"	PTT1.75BK	1 1/2"	2 5/8"	200'	30'	Black (BK)	2.60
2"	PTT2.00BK	1 3/4"	3 1/8"	200'	50'	Black (BK)	3.43
2 1/2"	PTT2.50BK			100'	50'	Black (BK)	3.60

TIGHT  
weave



**TIGHT WEAVE**

- Economical And Easy To Install
- Resists Gasoline, Engine Chemicals And Cleaning Solvents
- Complete Coverage
- Cut And Abrasion Resistant

**Put-Ups**

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
		Min	Max				
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1/2"	PTT0.50BK	11/32"	5/8"	500'	100'	Black	0.84
3/4"	PTT0.75BK	1/2"	13/16"	250'	75'	Black	1.10
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2"	PTT2.00BK	1 3/4"	3 1/8"	200'	50'	Black	3.43
2 1/2"	PTT2.50BK			100'	50'	Black	3.60

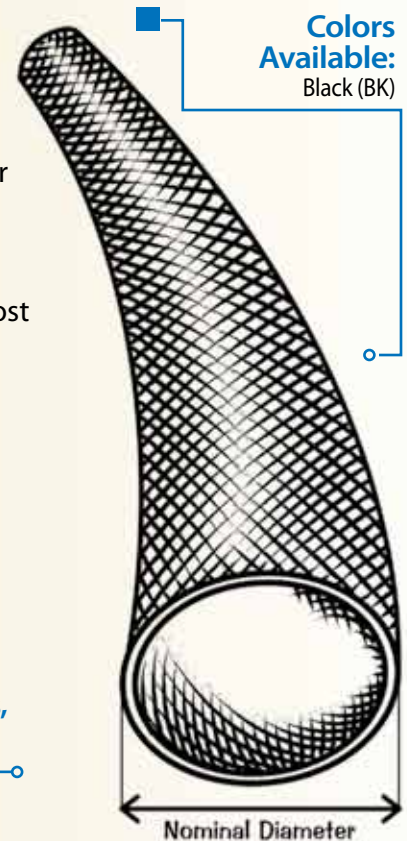


**Cut Cleanly**  
**Hot Knife**

**Tight Weave for Extra Coverage**

The FLEXO® Tight Weave original braided from 10 mil polyethylene terephthalate (PET) monofilament yarns. The material has a wide operating temperature range, is resistant to chemical degradation, UV radiation, and abrasion. Tight Weave is designed for use in applications where optimum coverage and abrasion resistance is required. The tight braid construction increases the coverage, wear factor and improves harness security.

Used in electronics, automotive, marine and industrial wire harnessing applications where cost efficiency and durability are critical.



High thermal and chemical resistance and extra coverage make FLEXO® TIGHT WEAVE ideal for customizing and protecting the wires, hoses and cables.

<b>Material</b>	<b>Polyethylene Terephthalate</b>
<b>Grade</b>	<b>PTT</b>
<b>Monofilament Diameter</b>	<b>.010"</b>
<b>Drawing Number</b>	<b>TF001PET-WD</b>



**TIGHT WEAVE**



**Abrasion Resistance**  
 Medium

**Abrasion Test Machine**  
 Taber 5150

**Abrasion Test Wheel**  
 Calibrase H-18

**Abrasion Test Load**  
 500g

**Room Temperature**  
 77°F

**Humidity**  
 72%

**Two Broken Filament**  
 300 Test Cycles

**Approximately 6 Broken**  
**Filaments**  
 500 Test Cycles

**Material Destroyed**  
**- Very Visible Hole In**  
**Material**  
 1,150 Test Cycles

**Pre-Test Weight**  
 4,547.4 mg

**Post-Test Weight**  
 4,133.9 mg

**Test End Loss Of Mass**  
**Point Of Destruction**  
 413.5 mg



**Rating** \_\_\_\_\_ **UL94V0, FAR25,**  
**FMVSS-302**



**Chemical Resistance**

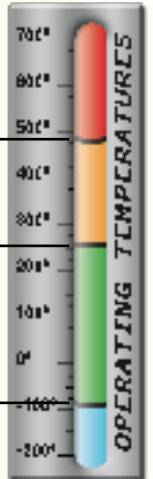
1=No Effect    4=More Affected  
 2=Little Effect    5=Severely Affected  
 3=Affected

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

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