

# OVEREXPANDED

■ **Economical, Long Lasting Filtration Solutions**

■ **Cut And Abrasion Resistant**

■ **Expands Up To 200%**

■ **Halogen Free**



**Cut Cleanly  
Hot Knife**

## Material

**Polyethylene Terephthalate**

## Grade

**PTO**

## Monofilament Diameter

**.010"**

## Drawing Number

**TF001PTO-WD**

				Put-Ups						
Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Retail	Clam	Bag	Available Colors	Lbs/ 100'
		Min	Max							
1/4"	PTO0.25BK	1/8"	1/2"	1,000'	200'	100'	25'	10'	BK	0.24
3/8"	PTO0.38	3/16"	1"	500'	125'	60'	25'	10'	7	0.52
1/2"	PTO0.50	7/16"	1 3/8"	500'	100'	50'	25'	10'	BK, CL	0.63

## Extra Expansion For Easy Application

Techflex Overexpanded FLEXO PET 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.

## Colors Available:

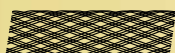
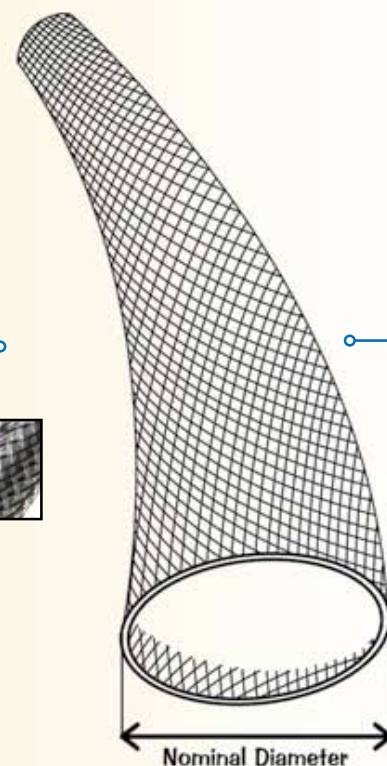
7 = BK, CL, PP, NB, RD, NY and CB.

Overexpanded material technical specs are the same as our standard Flexo PET.

Colors Available:



Black (BK), Clear (CL), Purple (PP), Neon Blue (NB), Red (RD), Neon Yellow (NY) and Carbon (CB).



**TECHFLEX**  
Braided Sleeving Products

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**ABYC**  
Setting Standards For Safer Boating

**FAR-25**



## OVEREXPANDED



**Abrasion Resistance**  
**Low**

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

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

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

**Room Temperature**  
**79°F**

**Humidity**  
**70%**

**Two Strands**  
**Visibly Broken**  
**125 Test Cycles**

**Wear Pattern**  
**Continues, Material**  
**Begins To Break Down**  
**200 Test Cycles**

**Material Destroyed**  
**350 Test Cycles**

**Pre-Test Weight**  
**1,592.77 mg**

**Post-Test Weight**  
**1,461.22 mg**

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



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



### Chemical Resistance

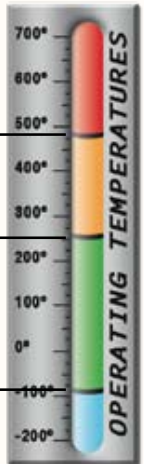
1=No Effect    4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

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)**



**Monofilament Diameter** \_\_\_\_\_ **.010**  
*ASTM D-204*

**Flammability Rating** \_\_\_\_\_ **UL94**  
*FMVSS-302 Approved*

**Recommended Cutting** \_\_\_\_\_ **Hot Knife**

**Colors** \_\_\_\_\_ **7**

**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*