

- Economical, Long Lasting Filtration Solutions
- Cut And Abrasion Resistant
- Expands Up To 200%
- Halogen Free

Put-Ups

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



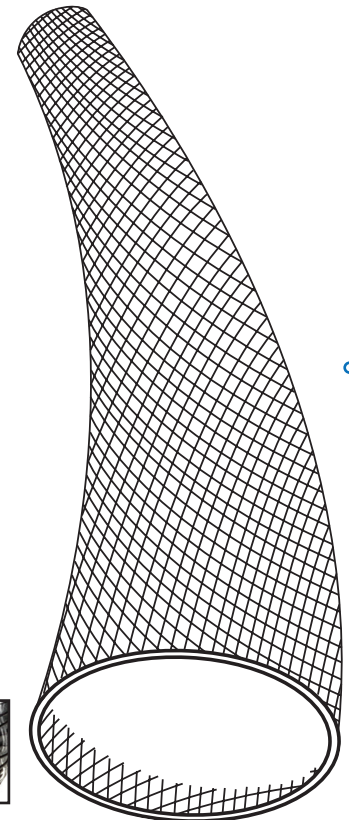
Cut Cleanly  
Hot Knife

Extra Expansion  
For Easy Application

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.



Material  
Polyethylene Terephthalate

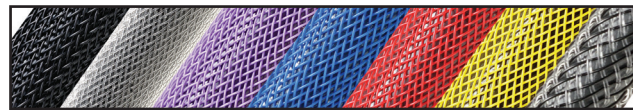
Grade  
PTO

Monofilament Diameter  
.010"

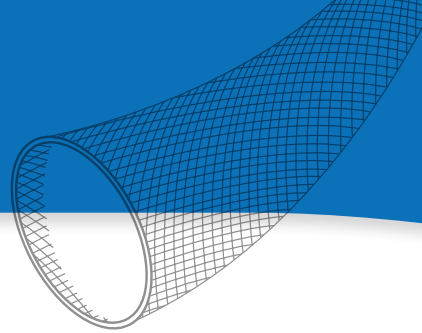
Drawing Number  
TF001PTO-WD

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).



## ABRASION FLAMMABILITY

**Abrasion Resistance**  
Low

Rating \_\_\_\_\_ UL94VO, FAR25,  
FMVSS-302

**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**

## CHEMICAL RESISTANCE

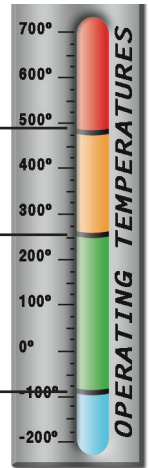
1=No Effect      4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

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/Ketones _____	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 _____	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	