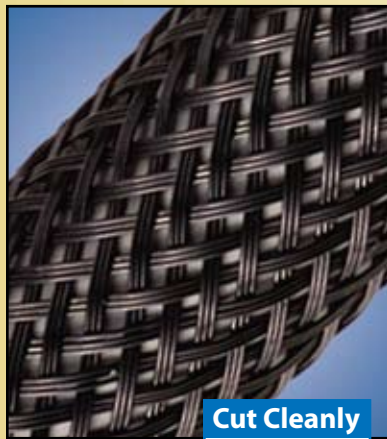




**FLEXO® PET**

- Economical And Easy To Install
- Resists Gasoline, Engine Chemicals And Cleaning Solvents
- Expands Up To 150%
- Cut And Abrasion Resistant
- FMVSS 302 Approval



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

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

**Put-Ups**

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Retail	Clam	Bag	Available Colors	Lbs/100'
		Min	Max							
1/8"	PTN0.13	3/32"	1/4"	1,000'	225'	110'	25'	10'	25	0.18
1/4"	PTN0.25	1/8"	7/16"	1,000'	200'	100'	25'	10'	25	0.26
3/8"	PTN0.38	3/16"	1/2"	500'	125'	60'	25'	10'	25	0.57
1/2"	PTN0.50	1/4"	3/4"	500'	100'	50'	25'	10'	25	0.77
5/8"	PTN0.63	3/8"	1"	500'	100'	50'	25'	10'	25	0.95
3/4"	PTN0.75	1/2"	1 1/4"	250'	75'	35'	25'	10'	25	1.20
1"	PTN1.00	5/8"	1 5/8"	250'	65'	30'	n/a	10'	25	1.34
1 1/4"	PTN1.25	3/4"	1 3/4"	250'	50'	25'	n/a	10'	25	1.60
1 1/2"	PTN1.50	1"	2 1/8"	200'	40'	25'	n/a	10'	25	1.96
1 3/4"	PTN1.75	1 1/4"	2 3/4"	200'	30'	25'	n/a	10'	25	2.45
2"	PTN2.00	1 1/2"	3 1/2"	200'	50'	25'	n/a	10'	25	3.30
2 1/2"	PTN2.50	1 3/4"	3 5/8"	200'	50'	25'	n/a	10'	25	3.80
3"	PTN3.00	2 1/2"	4 3/4"	100'	50'	25'	n/a	10'	25	4.00
<b>3 End Construction</b>										
1/4"	PT30.25	1/8"	3/8"	1,000'	200'	100'	25'	10'	BK, CL	0.39
<b>9 Mil Construction</b>										
4"	PT94.00BK	4"	6 1/2"	100'	50'	25'	n/a	10'	BK	3.80

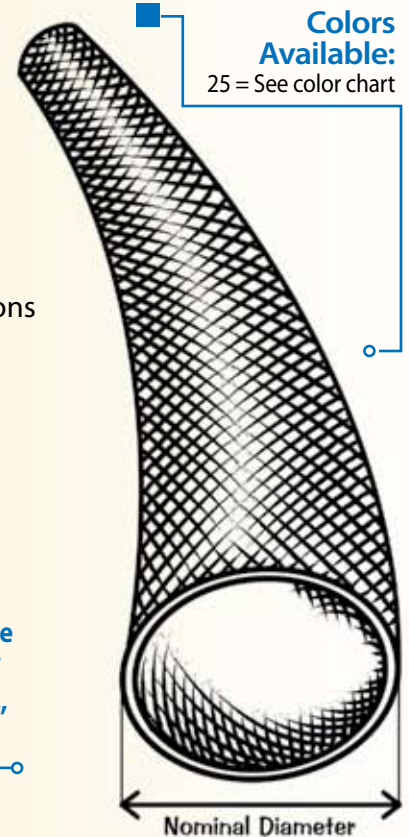
**A Versatile Bundling And Protection Solution**

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

The unique braided construction and wide expandability allows quick and easy installation over large connectors and long runs.

High thermal and chemical resistance and wide color/size selection make FLEXO® Original PET ideal for customizing and protecting the wires, hoses and cables in custom and classic colors.

**Colors Available:**  
25 = See color chart





**FLEXO® PET**



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



**Chemical Resistance**

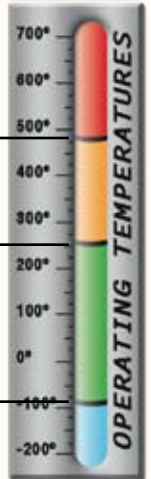
1=No Effect    4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

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**  
*ASTM D-204*

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

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

**Colors** \_\_\_\_\_ **25**

**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*

www.techflex.com



**FLEXO® PET**



WH White

■ Techflex offers FLEXO® Original PET in the widest range of in-stock standard colors in the industry, including UV reactive and multicolor spirals. Additionally, we can manufacture in custom solid or spiral combination colors.

Colors Available:  
25

\*UV Reactive



RD Red



OR Orange



YL Yellow



GN Green



BL Blue



PP Purple



CL Clear



BK Black



CB Carbon



BE Beige



GY Gray



DP Dark Purple



\*NR Neon Red



\*NP Neon Pink



\*NY Neon Yellow



\*NG Neon Green



\*NB Neon Blue



BR Brown



PT Patriot



\*NX Nitrox



\*JS Jester



\*OG Ogre



\*SH Super Hero



SS Safety Stripe

**GENERAL PURPOSE**  
Color Sheet



**FLEXO® PET**

- Custom combination colors manufactured by Techflex
- The possibilities are endless!

Custom Combinations:  
23 Pictured



**CC Candy Cane**

White with Red Spiral



**AL Alien**

White with Green Spiral



**MO Monochrome**

Clear with Black and White Spiral



**GW Gray White**

Clear with Gray and White Spiral



**DS Desert**

White with Beige and Black Stripe



**RS Red Spiral**

Clear with Red and Black Spiral



**UG Uptown Green**

Black with Green Stripe



**UY Uptown Yellow**

Black with Yellow Stripe



**UR Uptown Red**

Black with Red Stripe



**UP Uptown Purple**

Black with Purple Stripe



**UB Uptown Blue**

Black with Blue Stripe



**UX Uptown Gold**

Black with Gold Stripes



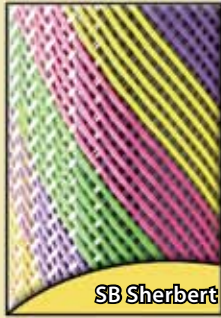
**CO Coral**

Clear with Black, Neon Yellow and Neon Red Spiral



**HH Hip Hop**

Clear with Black, Neon Pink and Neon Yellow Spiral



**SB Sherbert**

Clear with Purple, Neon Green, Neon Pink and Neon Yellow Spiral



**TL Twilight**

Clear with Black, Purple and Green Spiral



**RW Rainbow**

Red, Orange, Black, Blue, Yellow, Green & Gray Spirals



**HO Holiday**

Clear with Red and Green Spiral and Gold Strip



**BB Black Beige**

Black with Beige Criss Cross Spiral



**GD Ground Wire**

Green with Neon Yellow Spiral



**SM Shimmer**

Gray and Clear



**SP Spyder**

Black and Red Criss Cross



**CK Corn Kernel**

Yellow with Green Stripe