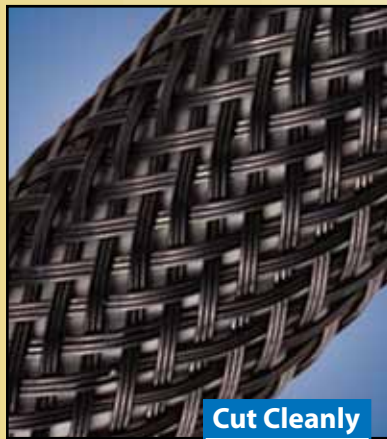




FLEXO® PET

- 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

Material	Polyethylene Terephthalate
Grade	PTN
Monofilament Diameter	.010"
Drawing Number	TF001PET-WD

Put-Ups

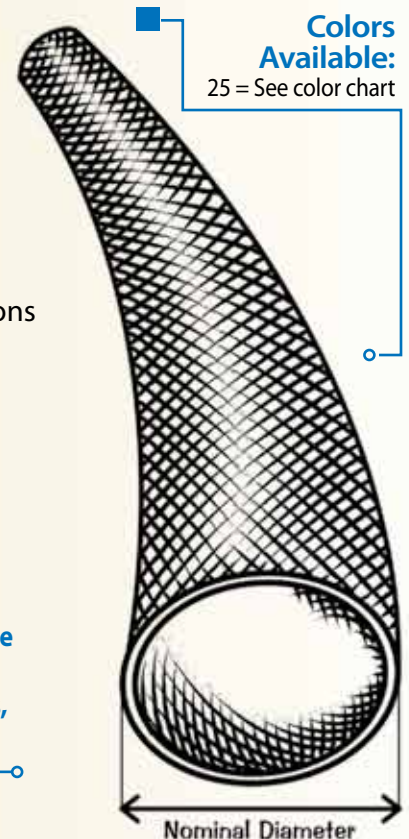
Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Retail	Clam	Bag	Available Colors	Lbs/100'
		Min	Max							
1/8"	PTN0.13	3/32"	1/4"	1,000'	225'	110'	25'	10'	25	0.18
1/4"	PTN0.25	1/8"	7/16"	1,000'	200'	100'	25'	10'	25	0.26
3/8"	PTN0.38	3/16"	1/2"	500'	125'	60'	25'	10'	25	0.57
1/2"	PTN0.50	1/4"	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
3 End Construction										
1/4"	PT30.25	1/8"	3/8"	1,000'	200'	100'	25'	10'	BK, CL	0.39
9 Mil Construction										
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.





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

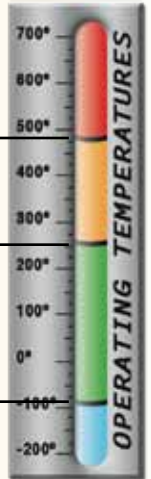
1=No Effect 4=More Affected
 2=Little Effect 5=Severely Affected
 3=Affected

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:
22 Pictured

 <p>CC Candy Cane White with Red Spiral</p>	 <p>AL Alien White with Green Spiral</p>	 <p>MO Monochrome Clear with Black and White Spiral</p>	 <p>GW Gray White Clear with Gray and White Spiral</p>	 <p>DS Desert White with Beige and Black Stripe</p>	 <p>RS Red Spiral Clear with Red and Black Spiral</p>
 <p>UG Uptown Green Black with Green Stripe</p>	 <p>UY Uptown Yellow Black with Yellow Stripe</p>	 <p>UR Uptown Red Black with Red Stripe</p>	 <p>UP Uptown Purple Black with Purple Stripe</p>	 <p>UB Uptown Blue Black with Blue Stripe</p>	 <p>UX Uptown Gold Black with Gold Stripes</p>
 <p>CO Coral Clear with Black, Neon Yellow and Neon Red Spiral</p>	 <p>HH Hip Hop Clear with Black, Neon Pink and Neon Yellow Spiral</p>	 <p>SB Sherbert Clear with Purple, Neon Green, Neon Pink and Neon Yellow Spiral</p>	 <p>TL Twilight Clear with Black, Purple and Green Spiral</p>	 <p>RW Rainbow Red, Orange, Black, Blue, Yellow, Green & Gray Spirals</p>	 <p>HO Holiday Clear with Red and Green Spiral and Gold Strip</p>
 <p>BB Black Beige Black with Beige Criss Cross Spiral</p>	 <p>GD Ground Wire Green with Neon Yellow Spiral</p>	 <p>SM Shimmer Gray and Clear</p>	 <p>CK Corn Kernel Yellow with Green Stripe</p>		