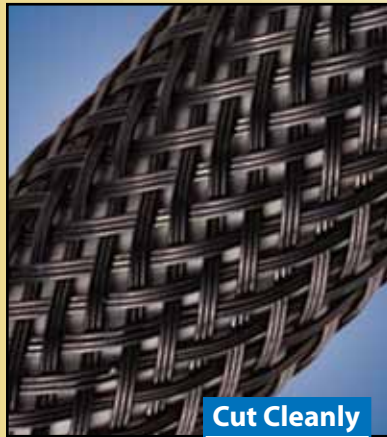




FLEXO® PET

- 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

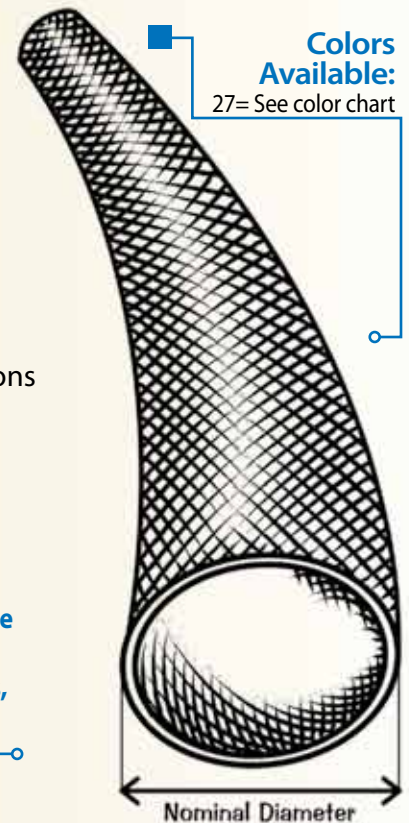
Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
		Min	Max				
1/8"	PTN0.13	3/32"	1/4"	1,000'	225'	27	0.18
1/4"	PTN0.25	1/8"	7/16"	1,000'	200'	27	0.26
3/8"	PTN0.38	3/16"	1/2"	500'	125'	27	0.57
1/2"	PTN0.50	1/4"	3/4"	500'	100'	27	0.77
5/8"	PTN0.63	3/8"	1"	500'	100'	27	0.95
3/4"	PTN0.75	1/2"	1 1/4"	250'	75'	27	1.20
1"	PTN1.00	5/8"	1 5/8"	250'	65'	27	1.34
1 1/4"	PTN1.25	3/4"	1 3/4"	250'	50'	27	1.60
1 1/2"	PTN1.50	1"	2 1/8"	200'	40'	27	1.96
1 3/4"	PTN1.75	1 1/4"	2 3/4"	200'	30'	27	2.45
2"	PTN2.00	1 1/2"	3 1/2"	200'	50'	27	3.30
2 1/2"	PTN2.50	1 3/4"	3 5/8"	200'	50'	27	3.80
3"	PTN3.00	2 1/2"	4 3/4"	100'	50'	27	4.00
3 END CONSTRUCTION							
1/4"	PT30.25	1/8"	3/8"	1,000'	200'	BK, CL	0.39
9 MIL CONSTRUCTION							
4"	PT94.00BK	4"	6 1/2"	100'	50'	BK	3.80
PET LEAN							
3/4"	PTL0.75BK	1/2"	1 1/4"	250'	75'	BK	1.04
1 1/4"	PTL1.25BK	3/4"	1 3/4"	250'	50'	BK	1.19

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.



www.techflex.com
800.323.5140 • 973.300.9242 • fax: 973.300.9409
29 Brookfield Dr • Sparta, NJ 07871





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

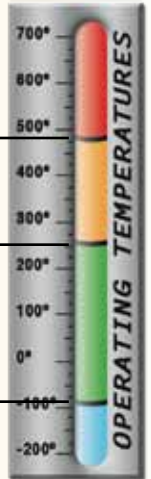
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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 _____ **27**

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

Colors Available:

27

■ 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.

*UV Reactive



WH White



CF Checkered Flag



PG Platinum Gray



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



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



CK Corn Kernel

Yellow with Green Stripe