FLEXO® PET
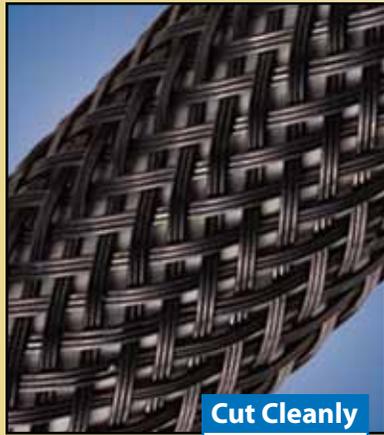
- **Economical And Easy To Install**

- **Resists Gasoline, Engine Chemicals And Cleaning Solvents**

- **Expands Up To 150%**

- **Cut And Abrasion Resistant**

- **FMVSS 302 Approval**

Cut Cleanly
Hot Knife

Material
Polyethylene Terepthalate

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				
1/16"	PTN0.06	3/64"	3/32"	1,000'	250'	*28	0.22
1/8"	PTN0.13	3/32"	1/4"	1,000'	225'	*28	0.20
1/4"	PTN0.25	1/8"	7/16"	1,000'	200'	*28	0.30
3/8"	PTN0.38	3/16"	1/2"	500'	125'	*28	0.57
1/2"	PTN0.50	1/4"	3/4"	500'	100'	*28	0.77
5/8"	PTN0.63	3/8"	1"	500'	100'	*28	0.95
3/4"	PTN0.75	1/2"	1 1/4"	250'	75'	*28	1.20
1"	PTN1.00	5/8"	1 5/8"	250'	65'	*28	1.34
1 1/4"	PTN1.25	3/4"	1 3/4"	250'	50'	*28	1.60
1 1/2"	PTN1.50	1"	2 1/8"	200'	40'	*28	1.96
1 3/4"	PTN1.75	1 1/4"	2 3/4"	200'	30'	*28	2.45
2"	PTN2.00	1 1/2"	3 1/2"	200'	50'	*28	2.60
2 1/2"	PTN2.50	1 3/4"	3 5/8"	200'	50'	*28	3.80
3"	PTN3.00	2 1/2"	4 3/4"	100'	50'	*28	3.80
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"	PTL0.75	1/2"	1 1/4"	250'	75'	BK, CL	1.04
1 1/4"	PTL1.25	3/4"	1 3/4"	250'	50'	BK, CL	1.19

*Check for availability

A Versatile Bundling And Protection Solution

The FLEXO® Original braided from 10 mil polyethylene terepthalate (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:
28= See color chart

Nominal Diameter

ABYC **FAR-25**
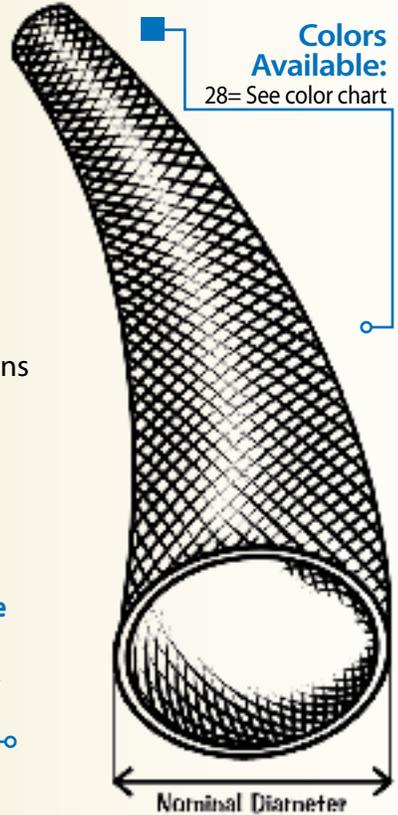
FLEXO® PET

FLEXO PET

ABRASION

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

FLAMMABILITY

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)

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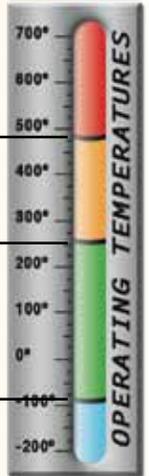
PHYSICAL PROPERTIES

Monofilament Diameter	.010
ASTM D-204	
Flammability Rating	UL94
FMVSS-302 Approved	
Recommended Cutting	Hot Knife
Colors	28
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	

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FLEXO® PET

Colors Available:

28

■ **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.**

WH White	CF Checkered Flag	PG Platinum Gray	SK Snake		
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

*UV Reactive

FLEXO® PET

FLEXO PET

Custom Combinations:

22 Pictured

■ **Custom combination colors manufacterd by Techflex**

■ **The possiblites are endless!**

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