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	3.30
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	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

*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
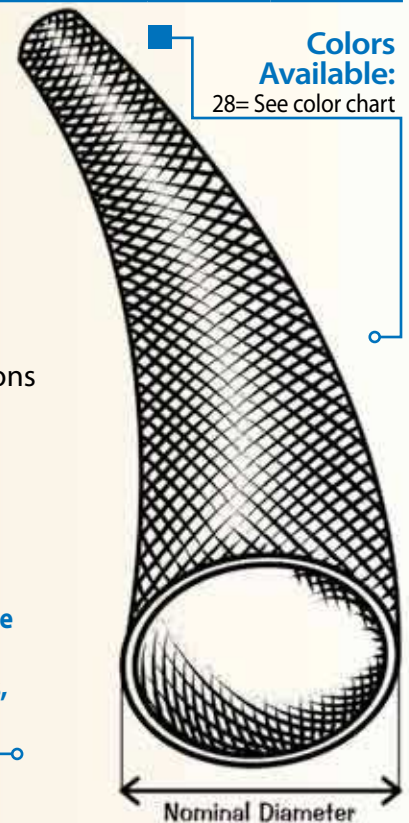
TECHFLEX
Braided Sleeving Products
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29 Brookfield Dr • Sparta, NJ 07871

ABYC FAR-25

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)

OPERATING TEMPERATURES
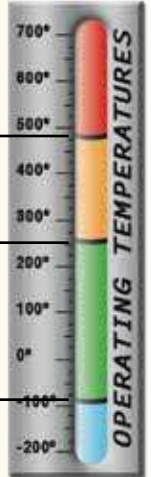
PHYSICAL PROPERTIES

Monofilament Diameter *ASTM D-204*	.010
Flammability Rating *FMVSS-302 Approved*	UL94
Recommended Cutting	Hot Knife
Colors	28
Wall Thickness	.025
Tensile Strength (Yarn) *ASTM D-2256 Lbs*	7.5
Specific Gravity *ASTM D-792*	1.38
Moisture Absorption % *ASTM D-570*	.1-.2

Hard Vacuum Data *ASTM E-595 at 10-5 torr*

TML	.19
CVCM	.00
WVR	.16
Smoke D-Max *ASTM E-662*	56
Outgassing	Med
Oxygen Index *ASTM D-2863*	21

GENERAL PURPOSE
Color Sheet

FLEXO® PET

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

GENERAL PURPOSE
Color Sheet

FLEXO® PET

FLEXO PET

■ **Custom combination colors manufacterd by Techflex**

■ **The possiblites 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		