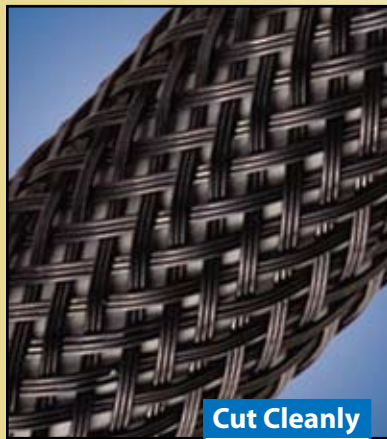




FLEXO® PET

- 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

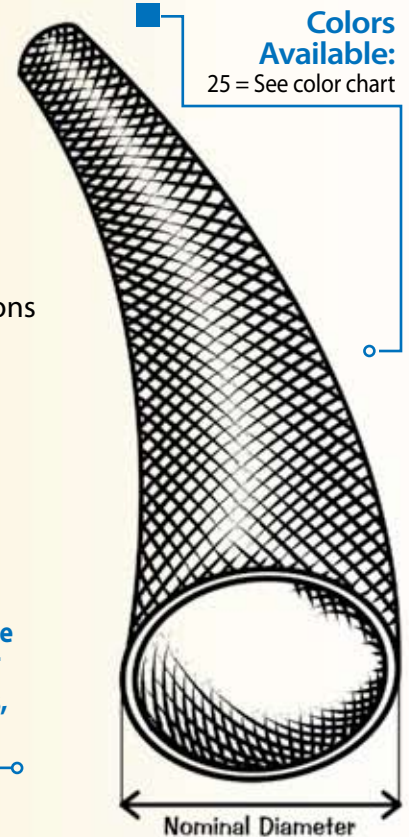
A Versatile Bundling And Protection Solution

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.

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

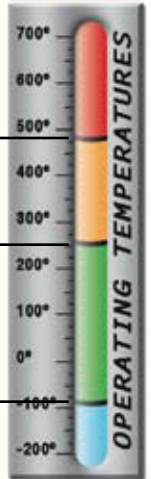
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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