

- 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

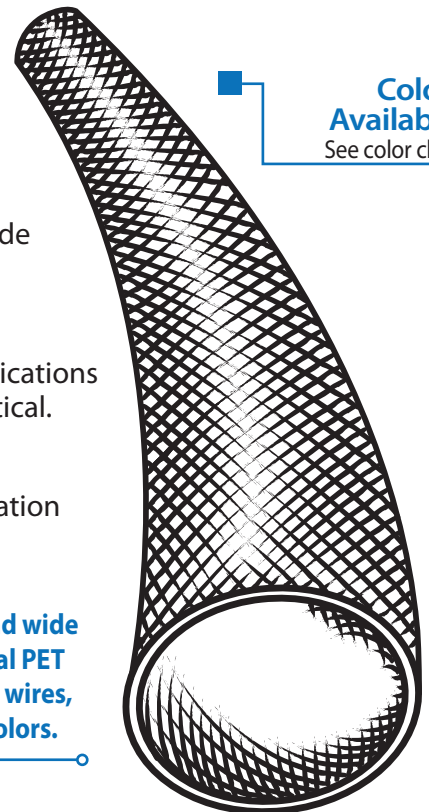
Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
		Min	Max				
1/16"	PTN0.06	3/64"	3/32"	1,000'	250'		0.22
1/8"	PTN0.13	3/32"	1/4"	1,000'	225'		0.20
1/4"	PTN0.25	1/8"	7/16"	1,000'	200'		0.30
3/8"	PTN0.38	3/16"	1/2"	500'	125'		0.57
1/2"	PTN0.50	1/4"	3/4"	500'	100'	more than 30	0.77
5/8"	PTN0.63	3/8"	1"	500'	100'		0.95
3/4"	PTN0.75	1/2"	1 1/4"	250'	75'		1.20
1"	PTN1.00	5/8"	1 5/8"	250'	65'		1.34
1 1/4"	PTN1.25	3/4"	1 3/4"	250'	50'		1.60
1 1/2"	PTN1.50	1"	2 1/8"	200'	40'		1.96
1 3/4"	PTN1.75	1 1/4"	2 3/4"	200'	30'		2.45
2"	PTN2.00	1 1/2"	3 1/2"	200'	50'		2.60
2 1/2"	PTN2.50	1 3/4"	3 5/8"	200'	50'		3.80
3"	PTN3.00	2 1/2"	4 3/4"	100'	50'	BK,CL,NB,RE	4.00
3 END CONSTRUCTION							
1/4"	PT30.25	1/8"	3/8"	1,000'	200'	4	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

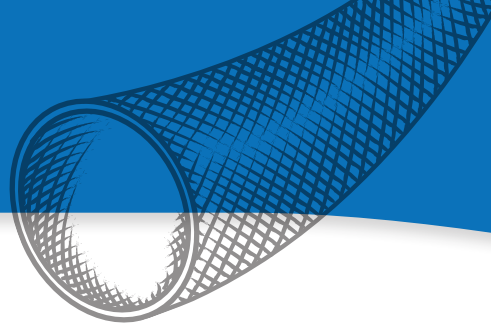
The FLEXO® Original braided from 10 mil polyethylene terephthalate (PET) monofilament yarns. The material has a wide operating temperature range, is resistant to chemical degradation, UV radiation, and abrasion. Used in electronics, automotive, marine and industrial wire harnessing applications where 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.



Colors Available:
See color chart



ABRASION FLAMMABILITY

Abrasion Resistance
Medium

Rating _____ UL94VO, FAR25,
FMVSS-302

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

CHEMICAL RESISTANCE

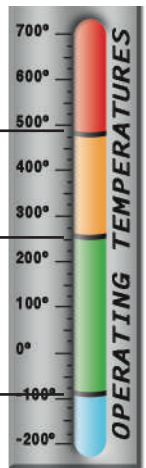
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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/Ketones _____	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 _____	<30
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	

The Widest Range Of Colors In The Industry

Techflex offers Flexo PET in the widest range of standard colors in the industry, including UV reactive and multicolor spirals. Additionally, we can manufacture Flexo PET in custom solid or spiral combinations.



CL	Clear	WH	White	PT	Patriot	DS	Desert
RD	Red	NP	*Neon Pink	SH	Super Hero	MO	Monochrome
OR	Orange	NR	*Neon Red	JS	Jester	GW	Gray White
YL	Yellow	NY	*Neon Yellow	OG	Ogre	RS	Red Spiral
GN	Green	NG	*Neon Green	NX	Nitrox	SM	Shimmer
BL	Blue	NB	*Neon Blue	GD	Ground Wire	RC	Rainbow Clear
DP	Dark Purple	PP	Purple	SS	Safety Stripe	RE	Reggae
BR	Brown	BE	Beige	SK	Snake	RB	Rainbow Black
GY	Gray	PG	Platinum Gray	CF	Checkered Flag	FG	Forest Green
BK	Black	AQ	Aqua	CB	Carbon	BM	Black Magic

***UV Reactive**

Also contact an account representative for relevant details regarding custom orders.
See the web for the complete list of colors.