

GENERAL PURPOSE

Technical Data Sheet



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				
1/16"	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

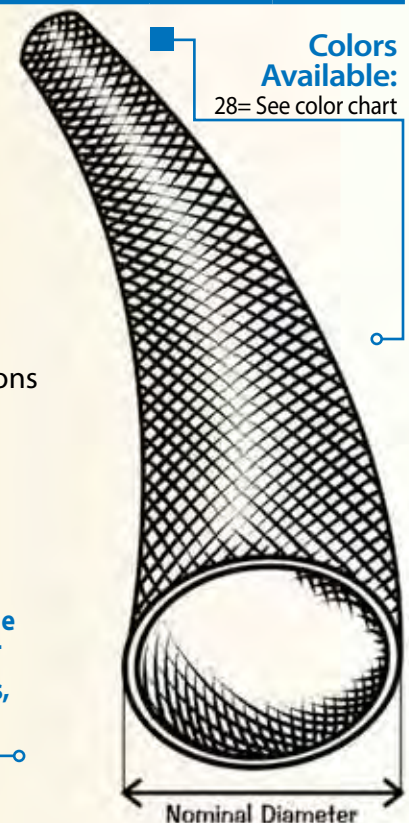
A Versatile Bundling And Protection Solution

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



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ABYC
Setting Standards for Safe Boating

FAR-25



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)

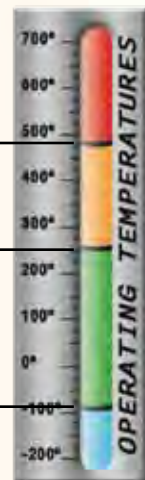
Maximum Continuous

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 _____ 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

GENERAL PURPOSE Color Sheet



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

■ Custom combination colors
manufactured by Techflex

■ The possibilities are endless!

■ Custom Combinations:

22 Pictured



White with Red Spiral



White with Green Spiral



Clear with Black and
White Spiral



Clear with Gray and
White Spiral



White with Beige and
Black Stripe



Clear with Red and
Black Spiral



Black with Green Stripe



Black with Yellow Stripe



Black with Red Stripe



Black with Purple Stripe



Black with Blue Stripe



Black with Gold Stripes



Clear with Black, Neon
Yellow and Neon Red Spiral



Clear with Black, Neon
Pink and Neon Yellow Spiral



Clear with Purple, Neon Green,
Neon Pink and Neon Yellow Spiral



Clear with Black, Purple
and Green Spiral



Red, Orange, Black, Blue,
Yellow, Green & Gray Spirals



Clear with Red and Green
Spiral and Gold Strip



Black with Beige Criss
Cross Spiral



Green with Neon Yellow
Spiral



Gray and Clear



Yellow with Green Stripe