



FLEXPET® ORIGINAL

- **Economical And Easy To Install**
- **Resists Gasoline, Engine Chemicals And Cleaning Solvents**
- **Expands Up To 150%**
- **Cut And Abrasion Resistant**
- **Custom Lengths Available**



**Cut Cleanly
Hot Knife**

Material	Polyethylene Terephthalate
Grade	PET
Monofilament Diameter	.010"
Drawing Number	TF001PET-WD

Put-Ups

NOMINAL SIZE	EXPANSION RANGE MIN MAX	PART #	BULK SPOOL	SHOP SPOOL	RETAIL	CLAM	BAG	AVAILABLE COLORS	LBS/100'
1/8"	3/32" 1/4"	PTN0.13	1,000'	225'	110'	25'	10'	22	0.18
1/4"	1/8" 7/16"	PTN0.25	1,000'	200'	100'	25'	10'	22	0.26
3/8"	3/16" 5/8"	PTN0.38	500'	125'	60'	25'	10'	22	0.57
1/2"	1/4" 3/4"	PTN0.50	500'	100'	50'	25'	10'	22	0.77
5/8"	3/8" 1"	PTN0.63	500'	100'	50'	25'	10'	6*	0.95
3/4"	1/2" 1 1/4"	PTN0.75	250'	75'	35'	25'	10'	22	1.20
1"	5/8" 1 5/8"	PTN1.00	250'	65'	30'	n/a	10'	6**	1.34
1 1/4"	3/4" 1 3/4"	PTN1.25	250'	50'	25'	n/a	10'	22	1.60
1 1/2"	1" 2 1/2"	PTN1.50	200'	40'	25'	n/a	10'	22	1.96
1 3/4"	1 1/4" 2 3/4"	PTN1.75	200'	30'	25'	n/a	10'	22	2.45
2"	1 1/2" 3 1/2"	PTN2.00	200'	50'	25'	n/a	10'	22	3.30
2 1/2"	1 3/4" 4 1/2"	PTN2.50	200'	50'	25'	n/a	10'	22	3.80
3"	2 1/2" 4 3/4"	PTN3.00	100'	50'	25'	n/a	10'	22	4.00

A Versatile Bundling And Protection Solution

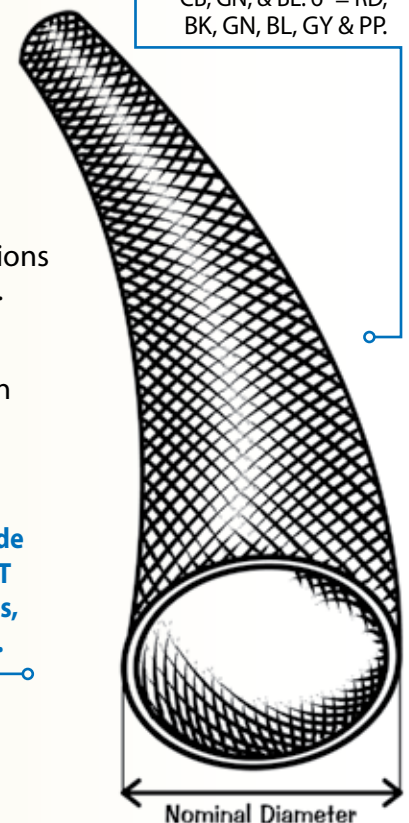
The FLEXPET® Original braided from 10 mil polyethylene terephthalate (PET) monofilament yarns. The material has a wide operating temperature range, is resistant to chemical degradation, UV radiation, and abrasion. Used in electronics, automotive, marine and industrial wire harnessing applications where 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 FLEXPET® Original PET ideal for customizing and protecting the wires, hoses and cables in custom and classic colors.

Colors Available:

22 = See color chart
6* = RD, WH, BK, CB, GN, & BL. 6** = RD, BK, GN, BL, GY & PP.



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**HALOGEN
FREE**

**UL
94
V-0**



File# LR 66-145



File# E 107 055





FLEXPET® ORIGINAL



Abrasion Resistance
 ASTM D-4157
Very High

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 _____ **UL94V0, FAR25,**
FMVSS-302

Moisture Absorption _____ **.08**
 % ASTM D-570

Smoke D-Max _____ **56**
 ASTM E-662

Toxicity Index _____ **4.2**
 USN 713



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 D-2863 _____	1
Outgassing _____	Medium
Oxygen Index ASTM D-2863 _____	21
Halogen Free _____	Yes

Melt Point
 ASTM D-2117
230°C (446°F)

Maximum Continuous
 Mil-I-23053
125°C (257°F)

Minimum Continuous
-75°C (-103°F)



PHYSICAL PROPERTIES

Monofilament Diameter _____	.010
ASTM D-204	
Recommended Cutting _____	Hot Knife
Stock Colors _____	22
Wall Thickness _____	.025
Tensile Strength PSI _____	85,000
ASTM D-2256	
Tenacity (GM/Denier) ASTM D-4157 _____	4.5
Specific Gravity ASTM D-792 _____	1.38
Typical Elongation ASTM D-2256-80	
Break _____	15
3g/Denier _____	5
Hard Vacuum Data ASTM E-595 at 10-5 torr	
TML _____	.51
CVCM _____	0
WVR _____	.10

GENERAL PURPOSE
Color Sheet



FLEXPET® ORIGINAL

■ Techflex offers FLEXPET® 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:
22 in Stock



GENERAL PURPOSE
Color Sheet



FLEXPET® ORIGINAL

■ Custom Combinations:

21 Pictured



CC Red White

White with Red Spiral



AL Green White

White with Green Spiral



MO Monochrome

Clear with Black and White Spiral



GW Gray White

Clear with Gray and White Spiral



DS White Beige Black

White with Beige and Black Stripe



RB Arbee

Clear with Red and Black Spiral



CK Corn Kernel

Yellow with Green Stripe



UG Uptown Green

Black with Green Stripe



UY Uptown Yellow

Black with Yellow Stripe



UX Uptown Gold

Black with Gold Stripes



UB Uptown Blue

Black with Blue Stripe



UP Uptown Purple

Black with Purple Stripe



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



HO Holiday

Clear with Red and Green Spiral and Gold Stripe



RW Rainbow

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



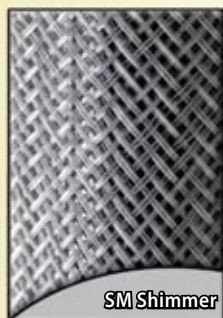
BB Black Beige

Black with Beige Criss Cross Spiral



GD Ground Wire

Green with Neon Yellow Spiral



SM Shimmer

Gray and Clear

■ Custom combination colors manufactured by Techflex

■ The possibilities are endless!