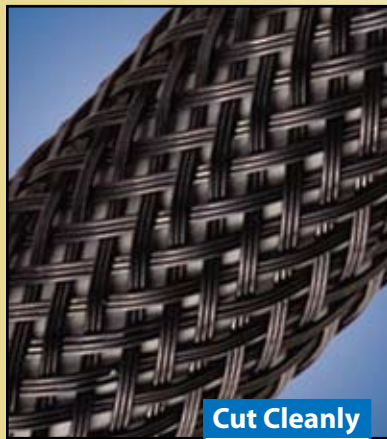




**FLEXO® PET**

- 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**

|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Material</b>              | <b>Polyethylene Terephthalate</b> |
| <b>Grade</b>                 | <b>PTN</b>                        |
| <b>Monofilament Diameter</b> | <b>.010"</b>                      |
| <b>Drawing Number</b>        | <b>TF001PET-WD</b>                |

**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     |
| <b>3 End Construction</b> |           |                 |        |            |            |        |      |     |                  |          |
| 1/4"                      | PT30.25   | 1/8"            | 3/8"   | 1,000'     | 200'       | 100'   | 25'  | 10' | BK, CL           | 0.39     |
| <b>9 Mil Construction</b> |           |                 |        |            |            |        |      |     |                  |          |
| 4"                        | PT94.00BK | 4"              | 6 1/2" | 100'       | 50'        | 25'    | n/a  | 10' | BK               | 3.80     |

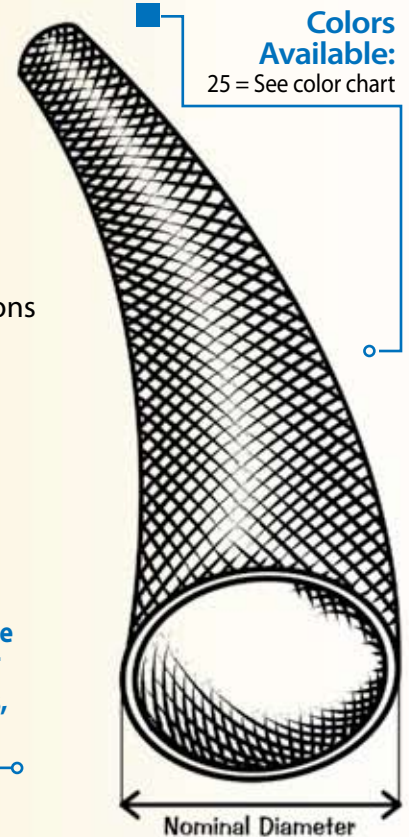
**A Versatile Bundling And Protection Solution**

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



[www.techflex.com](http://www.techflex.com)  
800.323.5140 • 973.300.9242 • fax: 973.300.9409  
29 Brookfield Dr • Sparta, NJ 07871





**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**

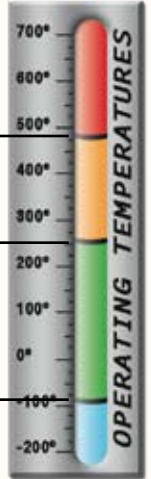
1=No Effect    4=More Affected  
 2=Little Effect    5=Severely Affected  
 3=Affected

|                            |       |      |
|----------------------------|-------|------|
| 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