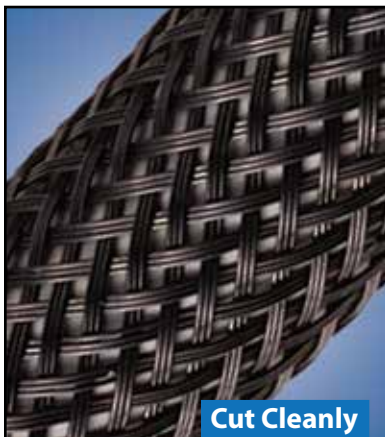


- Economical And Easy To Install
- Resists Gasoline, Engine Chemicals And Cleaning Solvents
- Expands Up To 150%
- Cut And Abrasion Resistant
- FMVSS 302 Approval



Cut Cleanly  
Hot Knife

**Material**  
Polyethylene Terephthalate

**Grade**  
PTN

**Monofilament Diameter**  
.010"

**Drawing Number**  
TF001PET-WD

Put-Ups

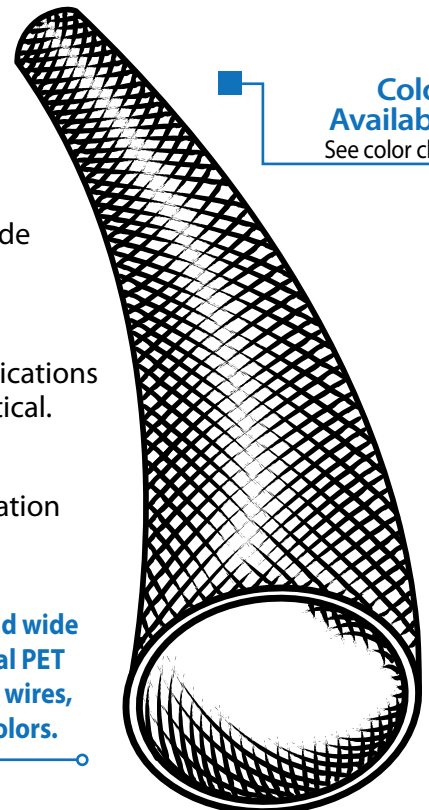
| Nominal Size              | Part #    | Expansion Range |        | Bulk Spool | Shop Spool | Available Colors | Lbs/100' |
|---------------------------|-----------|-----------------|--------|------------|------------|------------------|----------|
|                           |           | Min             | 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     |
| <b>3 END CONSTRUCTION</b> |           |                 |        |            |            |                  |          |
| 1/4"                      | PT30.25   | 1/8"            | 3/8"   | 1,000'     | 200'       | 4                | 0.39     |
| <b>9 MIL CONSTRUCTION</b> |           |                 |        |            |            |                  |          |
| 4"                        | PT94.00BK | 4"              | 6 1/2" | 100'       | 50'        | BK               | 3.80     |
| <b>PET LEAN</b>           |           |                 |        |            |            |                  |          |
| 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.

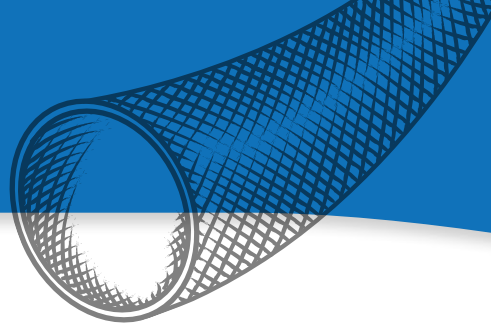


Colors Available:  
See color chart



www.techflex.com  
800.323.5140 • 973.300.9242 • fax: 973.300.9409  
104 Demarest Road • Sparta, NJ 07871





## 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

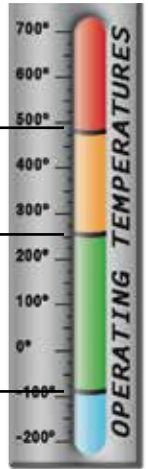
1=No Effect      4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

|                                  |      |
|----------------------------------|------|
| 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)

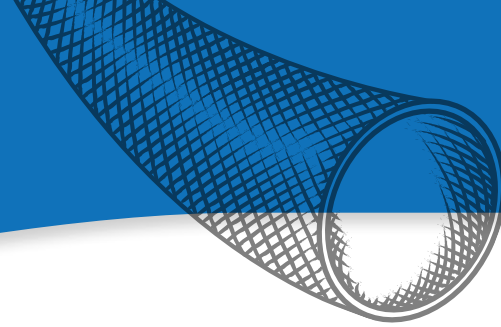


## PHYSICAL PROPERTIES

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

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WH White



CF Checkered Flag



PG Platinum Gray



SK Snake



BR Brown



AQ Aqua



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



\*NO Neon Orange



PT Patriot



\*NX Nitrox



\*JS Jester



\*OG Ogre

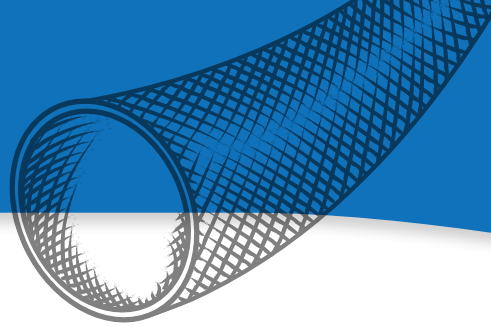


\*SH Super Hero



SS Safety Stripe





RE Reggae



FG Forest Green

- Custom combination colors manufactured by Techflex
- The possibilities are endless!



CC Candy Cane



AL Alien



MO Monochrome



GW Gray White



DS Desert



RS Red Spiral



UG Uptown Green



UY Uptown Yellow



UR Uptown Red



UP Uptown Purple



UB Uptown Blue



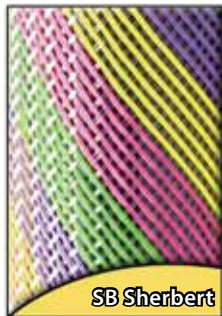
UX Uptown Gold



CO Coral



HH Hip Hop



SB Sherbert



TL Twilight



RW Rainbow



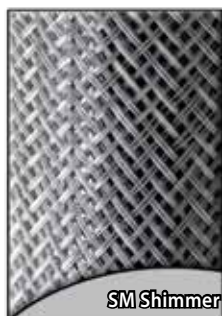
HO Holiday



BB Black Beige



GD Ground Wire



SM Shimmer



CK Corn Kernel



RC Rainbow Clear



RB Rainbow Black