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.

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**General Purpose Technical Data Sheet**

**Economical And Easy To Install**

**Resists Gasoline, Engine Chemicals And Cleaning Solvents**

**Expands Up To 150%**

**Cut And Abrasion Resistant**

**FMVSS 302 Approval**

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**Material**
Polyethylene Terephthalate

**Grade**
PTN

**Monofilament Diameter**
.010”

**Drawing Number**
TF001PET-WD

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**Put-Ups**

<table>
<thead>
<tr>
<th>Nominal Size</th>
<th>Part #</th>
<th>Expansion Range Min</th>
<th>Expansion Range Max</th>
<th>Bulk Spool</th>
<th>Shop Spool</th>
<th>Available Colors</th>
<th>Lbs/100’</th>
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<tbody>
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<td>1/16”</td>
<td>PTN0.06</td>
<td>3/64”</td>
<td>3/32”</td>
<td>1,000’</td>
<td>250’</td>
<td>more</td>
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<td>PTN0.13</td>
<td>3/32”</td>
<td>1/4”</td>
<td>1,000’</td>
<td>225’</td>
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<td>1/8”</td>
<td>7/16”</td>
<td>1,000’</td>
<td>200’</td>
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<td>0.30</td>
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<td>15/32”</td>
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<td>150’</td>
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<td>3/8”</td>
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<td>125’</td>
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<td>BK, CL, NB, RE</td>
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**3 END CONSTRUCTION**

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<th>4</th>
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</table>

**9 MIL CONSTRUCTION**

| 4”      | PT94.00BK| 4”   | 6 1/2”| 100’   | 50’   | BK | 3.80 |

**PET LEAN**

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<th>3/4”</th>
<th>PTL0.75BK</th>
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<th>1 1/4”</th>
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<td>250’</td>
<td>50’</td>
<td>BK</td>
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</table>

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**Colors Available:**
See color chart

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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.
ABRASION FLAMMABILITY

**Abrasion Resistance**
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**
- 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 0-5-1926 ________________ 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

PHYSICAL PROPERTIES

**Monofilament Diameter**
.010
ASTM D-204

**Flammability Rating**
UL94
FMVSS-302 Approved

**Recommended Cutting**
Hot Knife

**Colors**
>40

**Wall Thickness**
.025
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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Users should make their own evaluation to determine the suitability of these products for their unique and specific applications.

07-28
- Custom combination colors manufactured by Techflex
- The possibilities are endless!