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.
**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

**Flammability**  
Rating __________ UL94V0, 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”

**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**  
__________ ASTME-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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01-02
- Custom combination colors manufactured by Techflex
- The possibilities are endless!