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.

- 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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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 RS

Flammability RS

Chemical RS

Physical RS

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

Melt Point

ASTM D-2117

482°F (250°C)

Maximum Continuous

Mil-I-23053

257°F (125°C)

Minimum Continuous

-94°F (-70°C)

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

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

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

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

Specific Gravity ASTM D-570______ 1.38

Moisture Absorption___________1-.2

% ASTM D-792_______ 1.2

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