GENERAL PURPOSE Technical Data Sheet

TIGHT WEAVE

- Economical And Easy **To Install**
- Resists Gasoline, **Engine Chemicals And Cleaning Solvents**
- Complete Coverage
- Cut And Abrasion Resistant



Material

Polyethylene Terepthalate

Grade PTT

Monofilament Diameter .010"

Drawing Number TF001PET-WD



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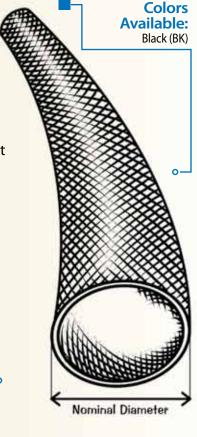
The FLEXO[®] Tight Weave original braided from 10 mil polyethylene terepthalate (PET) monofilament yarns. The material has a wide operating temperature range, is resistant to chemical degradation, UV radiation, and abrasion. Tight Weave is designed for use in applications where optimum coverage and abrasion resistance is required. The tight braid construction increases the coverage, wear factor and improves harness security.

Used in electronics, automotive, marine and industrial wire harnessing applications where cost efficiency and durability are critical.

High thermal and chemical resistance and extra coverage make FLEXO® TIGHT WEAVE ideal for customizing and protecting the wires, hoses and cables.

Put-Ups

Nominal	Part #	Expansion Range		Bulk	Shop	Available	Lbs/
Size		Min	Max	Spool	Spool	Colors	100'
1/8″	PTT0.13BK			1,000′	225′	Black	0.29
1/4″	PTT0.25BK	11/64″	11/32″	1,000′	200′	Black	0.36
5/16″	PTT0.31BK	23/64″	19/32″	1,000′	200′	Black	0.58
1/2″	PTT0.50BK	11/32″	5/8″	500 ′	100′	Black	0.84
3/4″	PTT0.75BK	1/2″	13/16″	250′	75′	Black	1.10
1″	PTT1.00BK	5/8″	1 1/8″	250′	65′	Black	1.23
1 1/4″	PTT1.25BK	1″	1 11/16″	250′	50′	Black	1.30
1 1/2″	PTT1.50BK	1 1/8″	2″	200′	40′	Black	1.95
1 3/4″	PTT1.75BK	1 1/2″	2 5/8″	200′	30′	Black	2.60
2″	PTT2.00BK	1 3/4"	3 1/8″	200′	50′	Black	3.43
2 1/2″	PTT2.50BK			100′	50′	Black	3.60







GENERAL PURPOSE Technical Data Sheet





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



UL94V0, FAR25, **FMVSS-302**

Chemical Resistance

Rating

1=No Effect 4=More Affected 2=1 ittle Effect 5=Severely Affected

3=Affected
Aromatic Solvents2
Aliphatic Solvents1
Chlorinated Solvents3
Weak Bases1
Salts1
Strong Bases2
Salt Water <i>0-S-1926</i> 1
Hydraulic Fluid MIL-H-56061
Lube Oil <i>MIL-L-7808</i> 1
De-Icing Fluid MIL-A-82431
Strong Acids3
Strong Oxidants2
Esters/Keytones1
UV Light1
Petroleum1
Fungus ASTM G-211
Halogen Free Yes
RoHS Yes
SVHCNone

Melt Point 6001 ASTM D-2117 500 482°F (250°C) d) (** Maximum Continuous 800" Mil-I-23053 257°F (125°C) 2014 1àsh

Minimum Continuous -94°F (-70°C)

PHYSICAL

Monofilament Diameter ASTM D-204	.010					
Flammability Rating FMVSS-302 Approved	UL94					
Recommended CuttingH	lot Knife					
Colors	1					
Wall Thickness	.025					
Tensile Strength (Yarn) ASTM D-2256 Lbs	7.5					
Specific Gravity ASTM D-792	1.38					
Moisture Absorption % ASTM D-570	.12					
Hard Vacuum Data ASTM E-595 at 10-5 torr						
TML	.19					
CVCM	.00					
WVR	.16					
Smoke D-Max ASTM E-662	56					
Outgassing	Med					
Oxygen Index ASTM D-2863	21					

TEMPERA TURES

OPERATING

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