Flexo PET-O



- Expands up to 200%
- Cut and Abrasion Resistant
- Halogen Free
- FMVSS 302 Approval

Extra Expansion for Easy Application

FLEXO PET OVEREXPANDED (PT) has many uses where inexpensive bundling is the principal consideration. Created to provide a fast easy bundling solution for automotive and marine wiring. Overexpanded opens nearly 4 to1 making it very easy to apply. The open construction allows the underlying harness or covering to show through for a unique and attractive assembly. The material cuts easily with either scissors or a hot knife.

					See Co
Nominal Part Expansion		Expansion Range	Standard Spool Put-Ups	Available	Lbs/

Nominal	Part	Expansio	n Range	Standard Spool Put-Ups		Available	Lbs/
Size	#	Min.	Max.	Bulk Spool	Shop Spool	Colors	100′
1/4″	PTO0.25	1/8″	1/2″	1,000′	200′	ВК	0.24
3/8″	PTO0.38	3/16″	1″	500′	125′	BK,CL,PP,NB,RD,NY,CB	0.52
1/2″	PTO0.50	7/16″	1 3/8″	500′	100′	CL & BK	0.63

Flexo PET-T

- Complete Coverage
- Improved Abrasion Resistance



800 323-5140 www.techflex.com



Extra

Coverage

TIGHT WEAVE (PT) 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.

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

1/2Also available in FR. Go to page 27.





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



www.techflex.com 800.323.5140 • 973.300.9242 • fax: 973.300.9409 29 Brookfield Dr • Sparta, NJ 07871

Tight V	Veave fo	r Extra C	overage

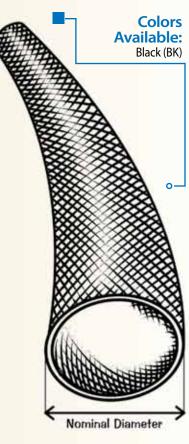
The FLEXO[®] Tight Weave original braided from 10 mil polyethylene terepthalate (PET) monofilament yarns. The material has a wide operating temperature range, is resistant to chemical degradation, UV radiation, and abrasion. Tight Weave is designed for use in applications where optimum coverage and abrasion 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 #	Expansio	on Range	Bulk Spool	Shop Spool	Available Colors	Lbs/ 100'
Size		Min	Max				
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	1
Aromatic Solvents2	2
Aliphatic Solvents1	1
Chlorinated Solvents3	3
Weak Bases1	1
Salts1	
Strong Bases2	
Salt Water <i>0-S-1926</i> 1	1
Hydraulic Fluid MIL-H-56061	1
Lube Oil <i>MIL-L-7808</i> 1	1
De-Icing Fluid MIL-A-82431	1
Strong Acids3	3
Strong Oxidants2	2
Esters/Keytones1	
UV Light1	
Petroleum1	
Fungus ASTM G-211	1
Halogen Free Yes	
RoHSYes	
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 PROPERTIES

Monofilament Diamete ASTM D-204	r010
Flammability Rating FMVSS-302 Approved	UL94
Recommended Cutting	Hot Knife
Colors	1
Wall Thickness	.025
Tensile Strength (Yarn) ASTM D-2256 Lbs	7.5
Specific Gravity ASTM I	D- <i>792</i> 1.38
Moisture Absorption % ASTM D-570	.12
Hard Vacuum Data AST	M 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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