

TIGHT WEAVE

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

Put-Ups

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
		Min	Max				
1/8"	PTT0.13BK			1,000'	225'	Black	
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	

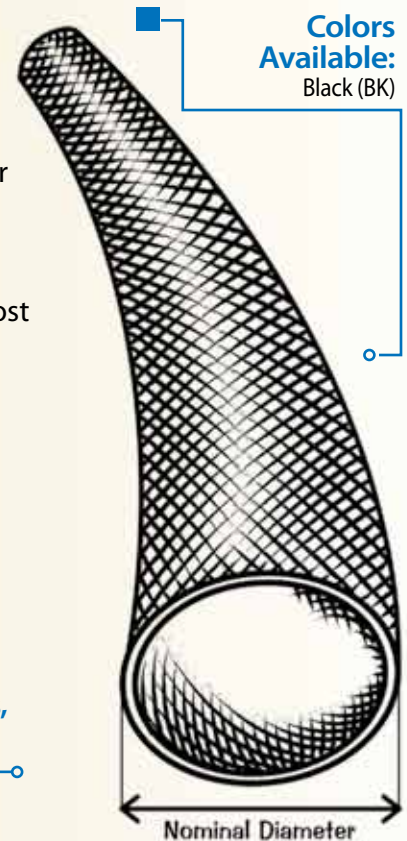


Cut Cleanly
Hot Knife

Tight Weave for Extra Coverage

The FLEXO® Tight Weave 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. 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.

Material	Polyethylene Terephthalate
Grade	PTT
Monofilament Diameter	.010"
Drawing Number	TF001PET-WD



TIGHT WEAVE



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 _____ **UL94V0, FAR25,**
FMVSS-302



Chemical Resistance

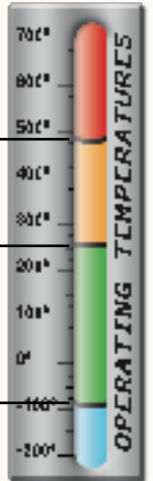
1=No Effect 4=More Affected
 2=Little Effect 5=Severely Affected
 3=Affected

Aromatic Solvents _____	2
Aliphatic Solvents _____	1
Chlorinated Solvents _____	3
Weak Bases _____	1
Salts _____	1
Strong Bases _____	2
Salt Water 0-S-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/Keytones _____	1
UV Light _____	1
Petroleum _____	1
Fungus ASTM G-21 _____	1
Halogen Free _____	Yes
RoHS _____	Yes
SVHC _____	None

Melt Point
 ASTM D-2117
 482°F (250°C)

Maximum Continuous
 Mil-I-23053
 257°F (125°C)

Minimum Continuous
 -94°F (-70°C)



PHYSICAL PROPERTIES

Monofilament Diameter _____	.010
<i>ASTM D-204</i>	
Flammability Rating _____	UL94
<i>FMVSS-302 Approved</i>	
Recommended Cutting _____	Hot Knife
Colors _____	1
Wall Thickness _____	.025
Tensile Strength (Yarn) _____	7.5
<i>ASTM D-2256 Lbs</i>	
Specific Gravity <i>ASTM D-792</i> _____	1.38
Moisture Absorption _____	.1-.2
<i>% ASTM D-570</i>	
Hard Vacuum Data <i>ASTM E-595 at 10-5 torr</i>	
TML _____	.19
CVCM _____	.00
WVR _____	.16
Smoke D-Max _____	56
<i>ASTM E-662</i>	
Outgassing _____	Med
Oxygen Index _____	21
<i>ASTM D-2863</i>	

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