

GENERAL PURPOSE

Technical Data Sheet

TIGHT WEAVE

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	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



Cut Cleanly
Hot Knife

Material

Polyethylene Terephthalate

Grade

PTT

Monofilament Diameter

.010"

Drawing Number

TF001PET-WD

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.

Colors Available:
Black (BK)



www.techflex.com

800.323.5140 • 973.300.9242 • fax: 973.300.9409
29 Brookfield Dr • Sparta, NJ 07871

ABYC
Setting Standards for Safer Boating

FAR-25



GENERAL PURPOSE

Technical Data Sheet

TIGHT WEAVE

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

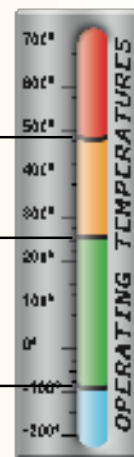
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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>	