

FLEXO® TIGHT WEAVE

TIGHT WEAVE FOR COMPLETE COVERAGE · RESISTS GASOLINE, ENGINE CHEMICALS, AND CLEANING SOLVENTS · CUT & ABRASION RESISTANCE

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.

SIZING CHART

Nominal Size	Part #	Min Expansion	Max Expansion	*Put-Ups		Available Colors	Lbs/100'
				M	L		
1/8"	PTT0.13	1/16"	1/4"	225'	1,000'	5	0.29
1/4"	PTT0.25	11/64"	11/32"	200'	1,000'	5	0.36
5/16"	PTT0.31	1/4"	3/8"	200'	1,000'	5	0.58
1/2"	PTT0.50	11/32"	5/8"	100'	500'	5	0.84
3/4"	PTT0.75	1/2"	13/16"	100'	250'	5	1.10
1"	PTT1.00	5/8"	11/8"	100'	250'	5	1.23
1 1/4"	PTT1.25	1"	1 1/16"	50'	250'	5	1.30
1 1/2"	PTT1.50	1 1/8"	2"	40'	200'	5	1.95
1 3/4"	PTT1.75	1 1/2"	2 5/8"	30'	200'	5	2.60
2"	PTT2.00	1 3/4"	3 1/8"	50'	200'	5	3.43
2 1/2"	PTT2.50	2"	3 1/2"	50'	100'	5	3.60

*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool

FEATURES

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

COLORS



Black & Neon Blue (BNB), Black & Neon Red (BNR), Black & Neon Orange (BNO), Black & Neon Yellow (BNY), & Black (BK)

** For more custom colors please call your sales representative

CERTIFICATIONS



ABRASION

Abrasion Resistance	HIGH
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	77°F
Humidity	72%
Two Broken Filaments	300 Test Cycles
Approx. 6 Broken Filaments	500 Test Cycles
Material Destroyed	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

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	.008"
Flammability Rating	UL94
Recommended Cutting	Scissors/HK
Colors	2
Wall Thickness	.024"
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	6
Specific Gravity (ASTM D-792)	1.38
Moisture Absorption % (ASTM D-570)	.1-.2
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	
TML	.19
CVCM	.00
WVR	.16
Smoke D-Max (ASTM E-662)	56
Outgassing	Medium
Oxygen Index (ASTM D-2863)	21

FLAMMABILITY

Rating	UL94VO, FAR25, FMVSS-302
--------	--------------------------

OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	482°F / 250°C
Maximum Continuous	257°F / 125°C
Minimum Continuous	-94°F / -70°C

CHEMICAL RESISTANCE

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

Aromatic Solvents	2
Aliphatic Solvents	1
Chlorinated Solvents	3
Weak Bases	1
Salts	1
Strong Bases	2
Salt Water (O-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/Ketones	1
UV Light	1
Petroleum	1
Fungus (ASTM G-21)	1
Halogen Free	Yes
RoHS	Yes
SVHC	None