

FLEXTIGHTWEAVE

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

The FLEXTIGHTWEAVE 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	Kgs/100m
				M	L		
3,2mm	PTT0.13	1,6mm	6,4mm	68,6m	304,8m	5	0,43
6,4mm	PTT0.25	4,4mm	8,7mm	61,0m	304,8m	5	0,54
7,9mm	PTT0.31	6,4mm	9,5mm	61,0m	304,8m	5	0,86
12,7mm	PTT0.50	8,7mm	15,9mm	30,5m	152,4m	5	1,25
19,1mm	PTT0.75	12,7mm	20,6mm	22,9m	76,2m	5	1,64
25,4mm	PTT1.00	15,9mm	28,6mm	19,8m	76,2m	5	1,83
31,8mm	PTT1.25	25,4mm	42,9mm	15,2m	76,2m	5	1,93
38,1mm	PTT1.50	28,6mm	50,8mm	12,2m	61,0m	5	2,90
44,5mm	PTT1.75	38,1mm	66,7mm	9,1m	61,0m	5	3,87
50,8mm	PTT2.00	44,5mm	79,4mm	15,2m	61,0m	5	5,10
63,5mm	PTT2.50	50,8mm	88,9mm	15,2m	30,5m	5	5,36

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

FEATURES

Material	Polyethylene Terephthalate
Grade	PTT
Monofilament Diameter	0,25mm"
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 / 25°C
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)	0,25mm
Flammability Rating	UL94
Recommended Cutting	Scissors/HK
Colors	2
Wall Thickness	0,64mm
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	6
Specific Gravity (ASTM D-792)	1,38
Moisture Absorption % (ASTM D-570)	0,1 - 0,2%
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	
TML	0,19
CVCM	0,00
WVR	0,16
Smoke D-Max (ASTM E-662)	56
Outgassing	Medium
Oxygen Index (ASTM D-2863)	21

FLAMMABILITY

Rating	UL94V0, FAR25, FMVSS-302
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OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	482°F / 250°C
Maximum Continuous (Mil-I-23053)	257°F / 125°C
Minimum Continuous (Mil-I-23053)	-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