



FLEXO[®] OVEREXPANDED

UP TO 200% EXPANSION FOR EASY APPLICATION LONG LASTING FILTRATION SOLUTIONS · HALOGEN FREE

Techflex[®] Overexpanded Flexo[®] PET has many uses where inexpensive bundling is the principal consideration. Created to provide a fast easy bundling solution for automotive and marine wiring. Flexo[®] OverExpanded opens nearly 4-to-1 making it very easy to apply. The open construction allows the underlying harness or covering to show through for a unique and attractive assembly.

SIZING CHART

Nominal Size	Part #	Min Expansion	Max Expansion	*Put-Ups		Available Colors	Lbs/100'
				M	L		
1/4"	PTO0.25	1/8"	1/2"	200'	1,000'	10	0.24
5/16"	PTO0.31	1/4"	7/8"	150'	500'	10	0.40
3/8"	PTO0.38	3/16"	1"	125'	500'	10	0.52
1/2"	PTO0.50	7/16"	1 3/8"	100'	500'	10	0.63
3/4"	PTO0.75	1/2"	1 3/4"	75'	250'	10	1.10

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

FEATURES

Material	Polyethylene Terephthalate
Grade	PTO
Monofilament Diameter	.010"
Drawing Number	TF001PTO-WD
Cutting	Hot Knife

COLORS



Black (BK), Clear (CL), White (WH), Carbon (CB), Neon Blue (NB), Neon Yellow (NY), Yellow (YL), Red (RD), Purple (PP), Black w/Gray (BG)

** Some of the sizes in some colors are available for special order.

CERTIFICATIONS





ABRASION

Abrasion Resistance	LOW
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	79°F
Humidity	70%
Two Strands Visibly Broken	125 Test Cycles
Wear Pattern Continues	200 Test Cycles
Material Destroyed	350 Test Cycles
Pre-Test Weight	1,592.77 mg
Post-Test Weight	1,461.22 mg
Test End Loss Of Mass Point Of Destruction	131.55 mg

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	.010"
Flammability Rating	UL94
Recommended Cutting	Hot Knife
Colors	10
Wall Thickness	.025"
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	7.5
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
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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