



Flexo 6 Mil

- **Easy to Engineer to Unique Specifications**
- **Economical, Long Lasting Filtration Solutions**
- **Wide Range of Available Materials**
- **Can Be Fabricated into Custom Configurations**
- **Reduced Wall Thickness**

High Density Fine Thread Sleeving

One of the most unique applications for expandable braided sleeving is the filtration of small particles from flowing liquids. Our standard FLEXO 6 MIL (FF) is a great off the shelf solution.

Flexo 6 Mil uses chemical resistant PET fiber to create an ultra flexible sleeve. The small monofilaments bond easily when heated to create lasting shapes, or with one end sealed completely, a durable sock.

Also sold by the name Filter Flexo.



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/100'
		Min.	Max.	Bulk Spool	Shop Spool		
1/8"	FFN0.13CL	1/16"	1/2"	1,000'	225'	Clear (CL)	0.18
1/4"	FFN0.25CL	3/16"	3/8"	1,000'	200'	Clear (CL)	0.33
5/16"	FFN0.31CL	5/16"	7/16"	500'	150'	Clear (CL)	0.43
3/8"	FFN0.38CL	5/16"	5/8"	500'	125'	Clear (CL)	0.53
1/2"	FFN0.50CL	1/2"	3/4"	500'	100'	Clear (CL)	0.82
5/8"	FFN0.63CL	1/2"	1"	250'	100'	Clear (CL)	1.00



Flexo Thin

FlexoThin
Expandable Braided Sleeving

Ultra Thin for Specialized Fiber Applications

Braided from ultra fine Nylon monofilament fibers, FLEXO THIN (FT) was created for applications where weight and wall thickness play a critical role. This material is strong enough to bundle multiple cables and fibers while naturally conforming to these types of applications. Many of today's micro optics and precision electronic harnesses use Flexo Thin to flexibly and attractively manage and route tiny assemblies.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/100'
		Min.	Max.	Bulk Spool	Shop Spool		
1/16"	FTN0.06CL	1/16"	3/16"	1,000'	200'	Clear (CL)	0.013
1/4"	FTN0.25CL	1/8"	1"	500'	200'	Clear (CL)	0.043

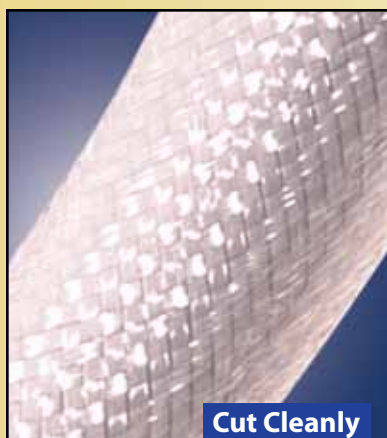
1/4" Flexo Thin's enormous expandability allows the management of large bundles of very fine wiring and optical cables.

800 323-5140
www.techflex.com



FLEXO 6 MIL

- Easy to Engineer To Unique Specifications
- Economical, Long Lasting Filtration Solutions
- Wide Range Of Available Materials
- Can be Fabricated Into Custom Configurations
- Cut And Abrasion Resistant
- Reduced Wall Thickness



**Cut Cleanly
Hot Knife**

Material

PET*

Grade

FFN

Monofilament Diameter

.006"

Drawing Number

TF001FF-WD

*Techflex Flexo 6 Mil can be made in polypropylene for varied chemical resistance.



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Put-Ups

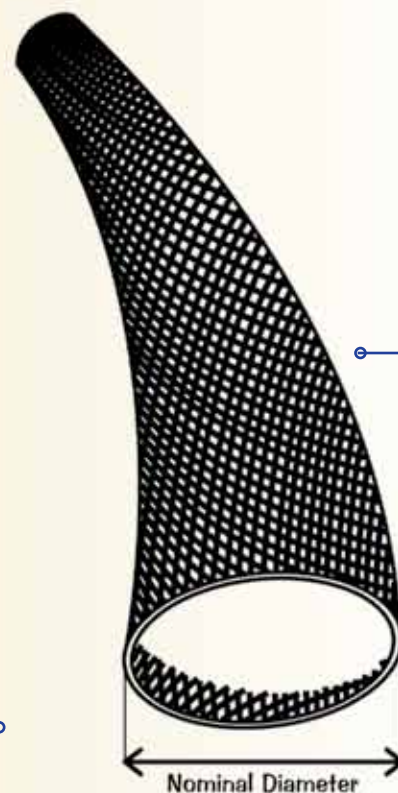
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- Colors Available:
Clear (CL)



A wide range of industrial, commercial and recreational filtration needs can be met with custom braided sleeving filtration elements.



FLEXO 6 MIL



Abrasion Resistance
Low

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

Test End Loss Of Mass
Point Of Destruction
122.7 mg



Rating _____ ***UL94**
***UL 94 V-0 Raw Material**



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)

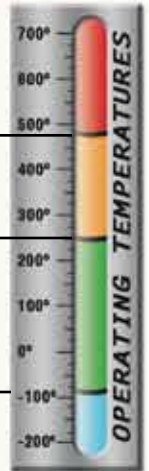
Maximum Continuous

Mil-I-23053

257°F (125°C)

Minimum Continuous

-94°F (-70°C)



PHYSICAL PROPERTIES

Monofilament Diameter	.006
Flammability Rating	*UL94
*UL 94 V-0 Raw Material	
Recommended Cutting	Hot Knife
Colors	1
Wall Thickness	.015
Tensile Strength (Yarn)	4.5
ASTM D-2256 Lbs	
Specific Gravity ASTM D-792	1.38
Moisture Absorption	.1-.2
% ASTM D-570	
Hard Vacuum Data ASTM E-595 at 10-5 torr	
TML	.19
CVCM	.00
WVR	.16
Outgassing	Med
Oxygen Index	21
ASTM D-2863	