



## 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® THIN



Size = 1/16"



Size = 1/4"

### Material

Nylon

### Grade

FTN

### Monofilament Diameter

.002" - .003"

### Drawing Number

TF001FT-WD

### Put-Ups

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

### Ultra Thin, Ultra Light For Specialized Fiber Applications

Braided from ultra fine Nylon® monofilament fibers, Flexo Thin was created for applications where weight and wall thickness play a critical role.

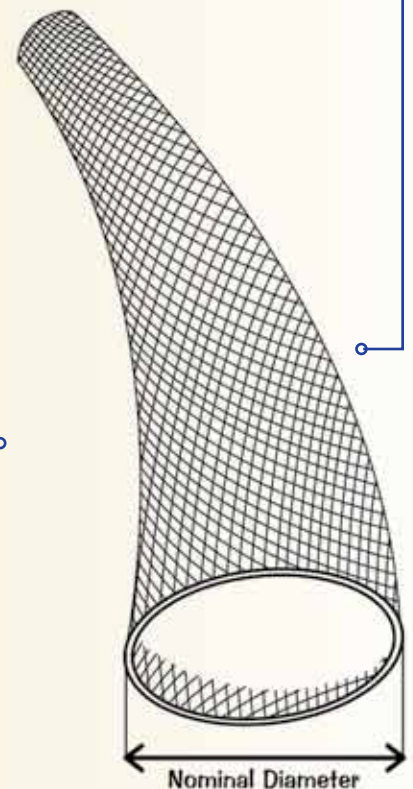
This material is strong enough to bundle multiple cables and fibers while naturally conforming to these type applications.

Many of today's micro optics and precision electronic harnesses use Flexo Thin to flexibly and attractively manage and route tiny assemblies.

### Colors Available:

Clear (CL).

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



# FLEXO® THIN



**Abrasion Resistance**  
**Very Low**

**Abrasion Test Machine**  
**Taber 5150**

**Abrasion Test Wheel**  
**Calibrase H-18**

**Abrasion Test Load**  
**500g**



## Chemical Resistance

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

Aromatic Solvents	1
Aliphatic Solvents	1
Chlorinated Solvents	1
Weak Bases	1
Salts	1
Strong Bases	2
Salt Water <i>D-S-1926</i>	1
Hydraulic Fluid <i>MIL-H-5606</i>	1
Lube Oil <i>MIL-L-7808</i>	1
De-Icing Fluid <i>MIL-A-8243</i>	1
Strong Acids	5
Strong Oxidants	5
Esters/Keytones	1
UV Light	2
Petroleum	2
Fungus <i>ASTM G-21</i>	3
Halogen Free	Yes
RoHS	Yes
SVHC	None

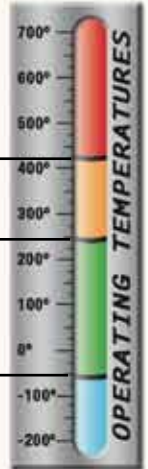
**Melt Point**  
*ASTM D-2117*

**428°F (220°C)**

**Maximum Continuous**  
*Mil-I-23053*

**248°F (120°C)**

**Minimum Continuous**  
**-49°F (-45°C)**



## PHYSICAL PROPERTIES

**Monofilament Diameter** .002-.003  
*ASTM D-204*

**Recommended Cutting** Hot Knife  
**Colors** 1

**Wall Thickness** .005-.008

**Specific Gravity** *ASTM D-792* 1.14

**Moisture Absorption** 2.5  
*% ASTM D-570*

**Hard Vacuum Data** *ASTM E-595 at 10-5 torr*

**TML** 1.10

**CVCM** .01

**WVR** .69

**Outgassing** High

**Oxygen Index** 22  
*ASTM D-2863*