

**FLEXO® THIN**



**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**

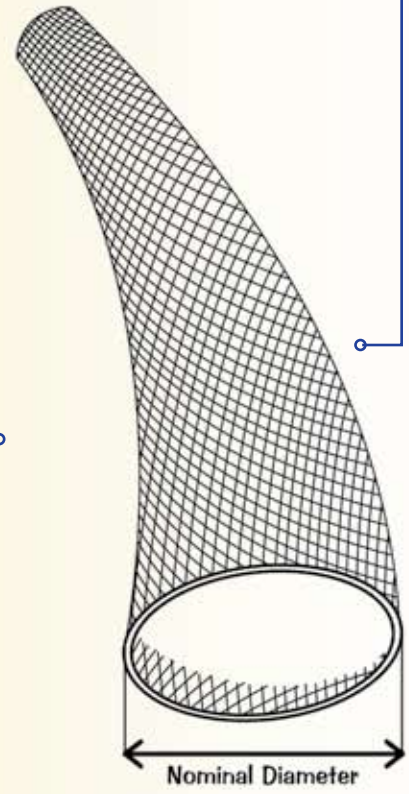
Braided from ultra fine Nylon® monofilament fibers, Flexo Thin was created for applications where weight and wall thickness play a critical role.

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**

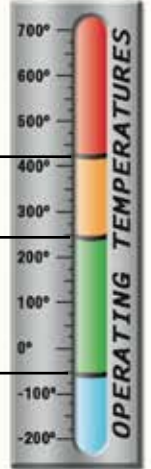
1=No Effect    4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

Aromatic Solvents _____	1
Aliphatic Solvents _____	1
Chlorinated Solvents _____	1
Weak Bases _____	1
Salts _____	1
Strong Bases _____	2
Salt Water 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 _____	5
Strong Oxidants _____	5
Esters/Keytones _____	1
UV Light _____	2
Petroleum _____	2
Fungus ASTM G-21 _____	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	

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