



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.

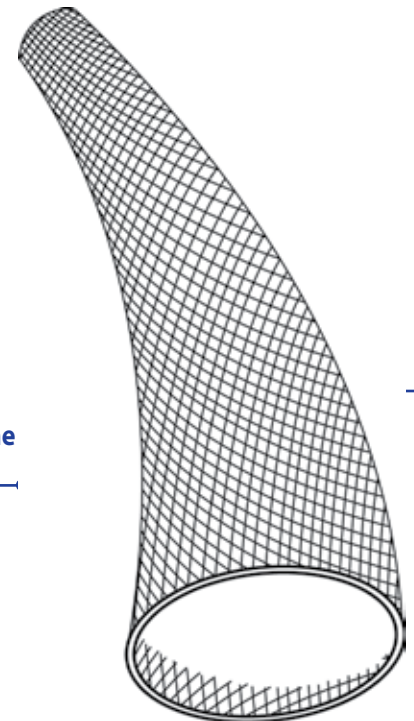
This material is strong enough to bundle multiple cables and fibers while naturally conforming to these type applications.

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).

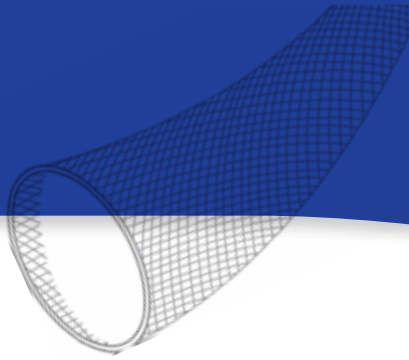
Flexo Thin's enormous expandability allows the management of large bundles of very fine wiring and optical cables.



www.techflex.com

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ABRASION

Abrasion Resistance
Very Low

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

CHEMICAL RESISTANCE

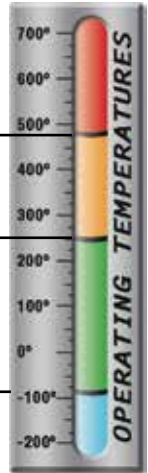
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

| | |
|----------------------------------|------|
| 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 | |