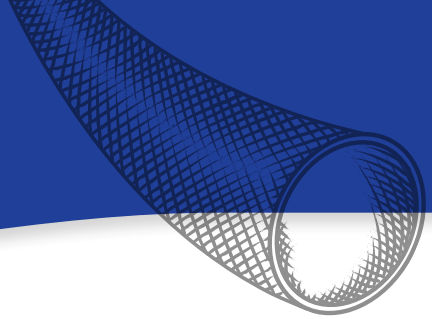
NYLON MONO™



SPECIALTY
Technical Data Sheet

- **Braided From .012" Nylon 6-6 Polyamide Monofilament Yarns**
- **Resists Gasoline And Engine Chemicals**
- **Economical And Easy To Install**
- **Expands Up To 150%**
- **Cut And Abrasion Resistant**

Put-Ups

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/ 100′
		Min	Max				
1/8″	NYN0.13BK	3/32″	1/4″	1,000′	225′	Black	0.22
1/4″	NYN0.25BK	1/8″	3/8″	1,000′	200′	Black	0.31
3/8″	NYN0.38BK	1/4″	7/16″	500′	125′	Black	0.72
1/2″	NYN0.50BK	3/8″	3/4″	500′	100′	Black	1.03
5/8″	NYN0.63BK	7/16″	1″	500′	100′	Black	1.12
3/4″	NYN0.75BK	1/2″	1 1/4″	250′	75′	Black	1.47
1″	NYN1.00BK	5/8″	1 3/8″	250′	50′	Black	1.60
1 1/4″	NYN1.25BK	3/4″	1 1/2″	250′	50′	Black	1.78
1 1/2″	NYN1.50BK	1″	2″	200′	40′	Black	2.55
2″	NYN2.00BK	1 1/2″	3″	200′	50′	Black	2.26

When The Spec Says Nylon And Only Nylon Will Do

NY is commonly used in the automotive industry to protect hoses and wire harnesses from excessive wear. NY's tough characteristics can increase hose life up to 300%. This lengthened life span is recognized in terms of reduced maintenance, a professional, attractive and durable appearance and greater customer satisfaction. With the additional protection that NY provides, it pays for itself throughout the life of your product.

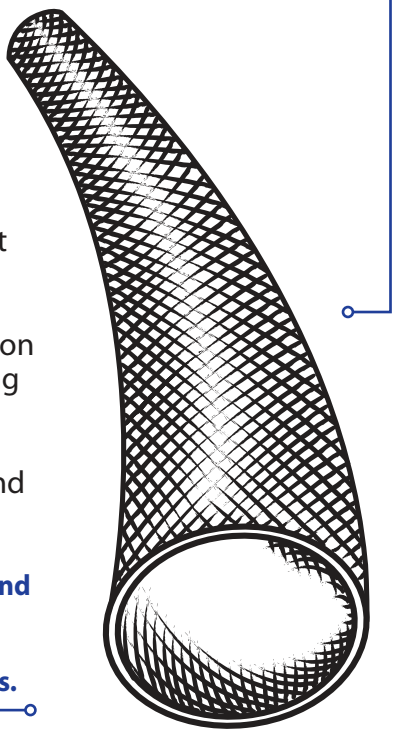
NY is braided from .012" nylon 6-6 Polyamide monofilament. The tight braid construction covers fully and provides excellent surface abrasion resistance for assemblies exposed to excessive wear. The smooth nylon fibers and tight construction also reduce abrasion damage caused by hoses and harnesses rubbing against the inside wall of the sleeving.

NY resists all common automotive chemicals and UV damage. It won't rot or retain moisture.

Nylon Mono's qualities of toughness and sound suppression make it the choice of auto manufacturers for protecting and managing cables routed through door and body cavities.

Cut Cleanly
Hot Knife

Colors Available:
Black (BK)



Material
Nylon 6-6 Polyamide

Grade
NYN

Monofilament Diameter
.012"

Drawing Number
TF001NY-WD

TECHFLEX®
Braided Sleeving Products
www.techflex.com
1 (833) SLEEVING • (973) 300-9242 • fax: (973) 300-9409
104 Demarest Road • Sparta, NJ 07871

RoHS Compliant

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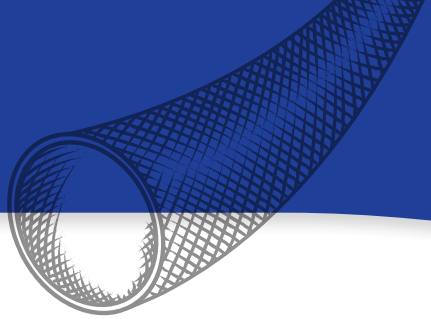

Melt Point
ASTM D-2117
493°F (256°C)

Maximum Continuous
Mil-I-23053
302°F (150°C)

Minimum Continuous
-49°F (-45°C)

ABRASION

Abrasion Resistance
High

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

Room Temperature
72°F

Humidity
48%

Several Strands Broken
400 Test Cycles

Several Small Holes Worn Through, Material Destroyed
1,200 Test Cycles

Pre-Test Weight
4,637.0 mg

Post-Test Weight
4,030.3 mg

Test End Loss Of Mass Point Of Destruction
606.7 mg

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/Ketones	1
UV Light	2
Petroleum	3
Fungus *ASTM G-21*	2
Halogen Free	Yes
RoHS	Yes
SVHC	None

PHYSICAL PROPERTIES

Monofilament Diameter *ASTM D-204*	.012"
Recommended Cutting	Hot Knife
Colors	1
Wall Thickness	.03"
Tensile Strength (Yarn) *ASTM D-2256 Lbs*	10.5
Specific Gravity *ASTM D-792*	1.14
Moisture Absorption *% ASTM D-570*	2.5
Hard Vacuum Data *ASTM E-595 at 10-5 torr*	
TML	1.10
CVCM	.01
WVR	.69
Outgassing	High
Oxygen Index *ASTM D-2863*	22