SPECIALTY **Technical Data Sheet**



NYLON™ MONO

- 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



Material Nylon 6-6 Polyamide

Grade NYN

Monofilament Diameter .012"

Drawing Number TF001NY-WD



				Put-Ops						
Nominal	Part	Expansio	n Range	Bulk	Shop	Retail	Clam	Bag	Available	Lbs/
Size	#	Min	Max	Spool	Spool				Colors	100′
1/8″	NYN0.13BK	3/32″	1/4″	1,000′	225′	100′	25′	10′	Black	0.22
1/4″	NYN0.25BK	1/8″	3/8″	1,000′	200′	100′	25′	10′	Black	0.31
3/8″	NYN0.38BK	1/4″	7/16″	500′	125′	60′	25′	10′	Black	0.72
1/2″	NYN0.50BK	3/8″	3/4″	500′	100′	50′	25′	10′	Black	1.03
5/8″	NYN0.63BK	7/16″	1″	500′	100′	50′	25′	10′	Black	1.12
3/4″	NYN0.75BK	1/2″	1 1/4″	250′	75′	35′	25′	10′	Black	1.47
1″	NYN1.00BK	5/8″	1 3/8″	250′	50′	25′	n/a	10′	Black	1.60
1 1/4″	NYN1.25BK	3/4″	1 1/2″	250′	50′	25′	n/a	10′	Black	1.78
1 1/2″	NYN1.50BK	1″	2″	200′	40′	25′	n/a	10′	Black	2.55
2″	NYN2.00BK	1 1/2″	3″	200′	50′	25′	n/a	10′	Black	2.26
TIGHT WEAVE										
1/2″	NYT0.50BK	11/32″	9/16″	500′	100′	50′	25′	10′	Black	1.03

When The Spec Says Nylon And Only **Nylon Will Do**

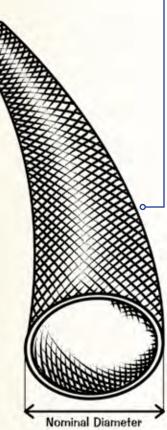
NY is commonly used in the automotive industry to protect hoses and wire harnesses from excessive wear. NY's tough characteristics can increase hose life up to 300%. This lengthened life span is recognized in terms of reduced maintenance, a professional, attractive and durable appearance and greater 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 gualities of toughness and sound suppression make it the choice of auto manufacturers for protecting and managing cables routed through door and body cavities.

Colors Available: Black (BK)







SPECIALTY Technical Data Sheet

NYLON™ MONO



700

600

500

400'

300*

200

1005

-100%

200*

TEMPERATURES

OPERATING

BRASIO

Abrasion Resistance High

Abrasion Test Machine Taber 5150

Abrasion Test Wheel Calibrase H-18

Abrasion Test Load 500a

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

493°F (256°C) Maximum Continuous Mil-I-23053 **302°F** (150°C)

Melt Point

ASTM D-2117

Minimum Continuous $-49^{\circ}F(-45^{\circ}C)$

PHYSICAL PROPERTIES

Monofilament Diameter ASTM D-204	012
Recommended CuttingHot	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	0-5 torr
TML	1.10
CVCM	01
WVR	.69
Outgassing	_High
Oxygen Index ASTM D-2863	22

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