



## GORILLA SLEEVE

- **Innovative Braided Flat Filament Technology**
- **Resists Damage From UV, Gasoline, Engine Chemicals And Salt Water**
- **Heavy Plastic Protection**
- **Smooth Inner Wall Reduces Internal Abrasion**
- **Extreme Cut And Abrasion Resistant**
- **Halogen Free**



**Cut Cleanly**  
**Hot Knife**

### Material

**Polyamide Monofilament**

### Grade

**NHN**

### Flat Filament Thickness

**.020"**

### Drawing Number

**TF001NH-WD**

### Put-Ups

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
		Min	Max				
3/8"	NHN0.38BK	1/4"	1/2"	500'	100'	Black (BK)	1.00
1/2"	NHN0.50BK	3/8"	5/8"	500'	100'	Black (BK)	1.40
3/4"	NHN0.75BK	5/8"	1"	250'	50'	Black (BK)	2.10
1"	NHN1.00BK	7/8"	1 1/4"	250'	50'	Black (BK)	2.20
1 1/4"	NHN1.25BK	1"	1 1/2"	250'	50'	Black (BK)	2.50
1 1/2"	NHN1.50BK	1 1/4"	1 3/4"	100'	25'	Black (BK)	3.40
1 3/4"	NHN1.75BK	1 1/2"	2"	100'	25'	Black (BK)	4.00
2"	NHN2.00BK	1 3/4"	2 1/2"	100'	25'	Black (BK)	4.40
3"	NHN3.00BK	2 1/4"	3 1/2"	100'	25'	Black (BK)	6.50

### Innovative Flat Filament Braided For High Abrasion Resistance

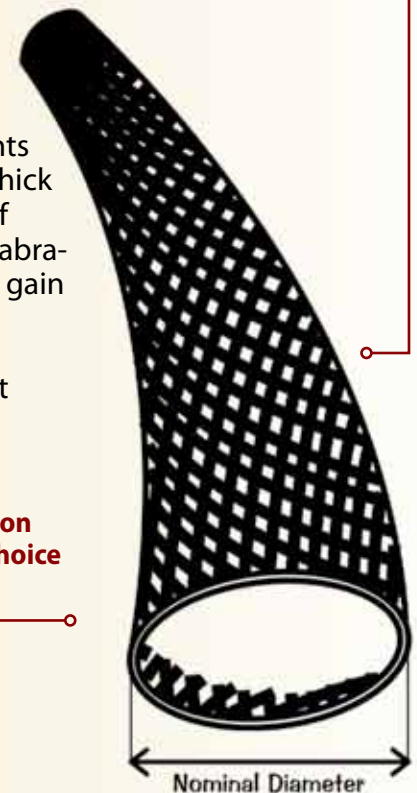
The latest innovation in Techflex material design is the concept of using different shaped filaments to create strength, stiffness or a variety of other effects.

Gorilla Sleeve is engineered from flat filaments of tough and strong 6-6 Nylon to achieve a thick abrasion guard for use on hoses. This type of sleeve has been tested against competitor's abrasion guards that mix materials in an effort to gain slight abrasion advantages.

Gorilla Sleeve achieves better results without sacrificing great looks or flexibility.

**Constant abuse from road hazards, abrasion and vibration make Gorilla Sleaving the choice to protect hoses in over road vehicles.**

■ **Colors Available:**  
Black (BK)



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## GORILLA SLEEVE



**Abrasion Resistance**  
**Extremely High**

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

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

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

**Room Temperature**  
**80°F**

**Humidity**  
**72%**

**Minor Scuffing**  
**100 Test Cycles**

**One Broken Strand**  
**900 Test Cycles**

**Second Broken Strand**  
**1,200 Test Cycles**

**One Strand Pulled Out Of**  
**Material**  
**3,500 Test Cycles**

**Material Destroyed**  
**4,400 Test Cycles**

**Pre-Test Weight**  
**7,191.6 mg**

**Post-Test Weight**  
**6,761.4 mg**

**Test End Loss Of Mass**  
**Point Of Destruction**  
**430.2 mg**



### Chemical Resistance

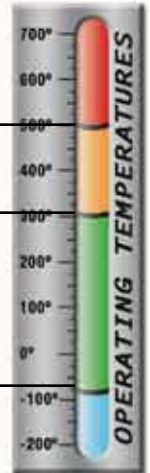
1=No Effect 4=More Affected  
2=Little Effect 5=Severely Affected  
3=Affected

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	1
Petroleum	2
Fungus ASTM G-21	2
Halogen Free	Yes
RoHS	Yes

**Melt Point**  
ASTM D-2117  
**509°F (265°C)**

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

**Minimum Continuous**  
**-76°F (-60°C)**



### PHYSICAL PROPERTIES

Flat Filament	.020
Flammability Rating	
Recommended Cutting	Hot Knife
Colors	1
Wall Thickness	.05
Tensile Strength (Yarn)	19
ASTM D-2256 Lbs	
Specific Gravity ASTM D-792	1.12
Moisture Absorption	2.5
% ASTM D-570	
Hard Vacuum Data ASTM E-595	
TML	1.10
CVCM	.01
WVR	.69
Smoke D-Max	56
ASTM E-662	
Outgassing	High
Oxygen Index	22
ASTM D-2863	

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