



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

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Retail	Clam	Bag	Available Colors	Lbs/100'
		Min	Max							
1/2"	NHN0.50	3/8"	5/8"	500'	100'	n/a	n/a	10'	Black	1.40
3/4"	NHN0.75	5/8"	1"	250'	50'	n/a	n/a	10'	Black	2.10
1"	NHN1.00	7/8"	1 1/4"	250'	50'	n/a	n/a	10'	Black	2.20
1 1/4"	NHN1.25	1"	1 1/2"	250'	50'	n/a	n/a	10'	Black	2.50
1 3/4"	NHN1.75	1 1/2"	2"	100'	25'	n/a	n/a	5'	Black	4.00
2"	NHN2.00	1 3/4"	2 1/2"	100'	25'	n/a	n/a	5'	Black	4.40

Innovative Flat Filament Braided For High Abrasion Resistance

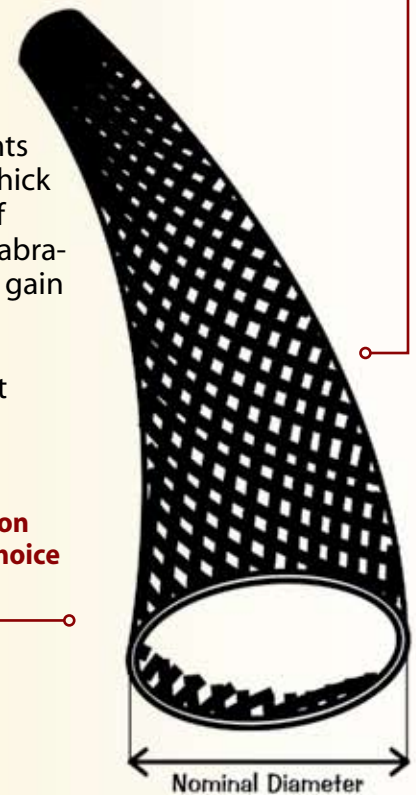
The latest innovation in Techflex material design is the concept of using different shaped filaments to create strength, stiffness or a variety of other effects.

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)





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

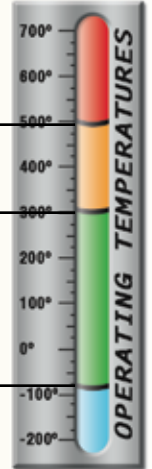
1=No Effect 4=More Affected
 2=Little Effect 5=Severely Affected
 3=Affected

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 _____	No
RoHS _____	Yes
SVHC _____	

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
<i>ASTM D-2256 Lbs</i>	
Specific Gravity <i>ASTM D-792</i> _____	1.12
Moisture Absorption _____	2.5
<i>% ASTM D-570</i>	
Hard Vacuum Data <i>ASTM E-595 at 10-5 torr</i>	
TML _____	1.10
CVCM _____	.01
WVR _____	.69
Smoke D-Max _____	56
<i>ASTM E-662</i>	
Outgassing _____	High
Oxygen Index _____	22
<i>ASTM D-2863</i>	

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