



- 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

<b>Material</b>	<b>Polyamide Monofilament</b>
<b>Grade</b>	<b>NHN</b>
<b>Flat Filament Thickness</b>	<b>.020"</b>
<b>Drawing Number</b>	<b>TF001NH-WD</b>

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

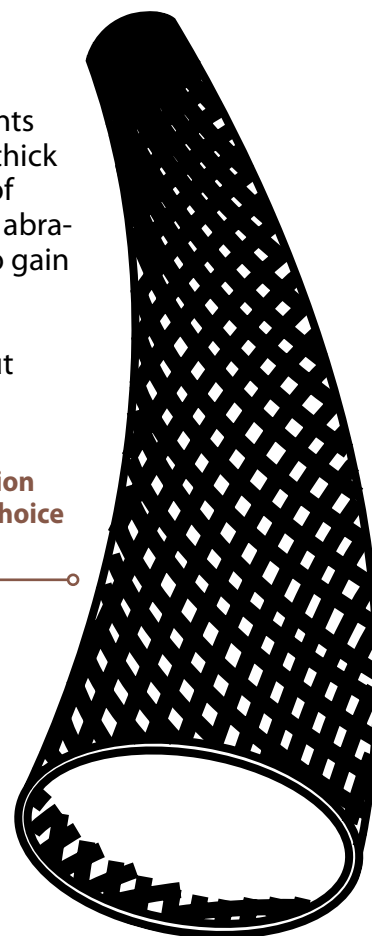
The latest innovation in Techflex material design is the concept of using different shaped filaments to create strength, stiffness or a variety of other effects.

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 Sleeving the choice to protect hoses in over road vehicles.

Colors Available:  
Black (BK)



[www.techflex.com](http://www.techflex.com)

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## ABRASION

**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

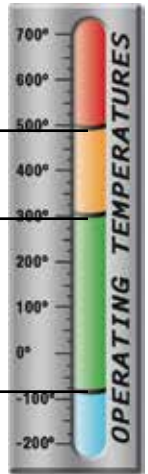
1=No Effect    4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

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/Ketones _____	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	