



GORILLA SLEEVE®

INNOVATIVE BRAIDED FLAT FILAMENT TECHNOLOGY 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.

SIZING CHART

Nominal Size	Part #	Min Expansion	Max Expansion	Wall Thickness	Put-Ups		Available Colors	Lbs/100'
					M	L		
3/8"	NHN0.38	1/4"	1/2"	.020"	100'	500'	4	1.00
1/2"	NHN0.50	3/8"	5/8"	.020"	100'	500'	4	1.40
3/4"	NHN0.75	5/8"	1"	.020"	50'	250'	4	2.10
1"	NHN1.00	7/8"	1 1/4"	.020"	50'	250'	4	2.20
1 1/4"	NHN1.25	1"	1 1/2"	.020"	50'	250'	4	2.50
1 1/2"	NHN1.50	1 1/4"	1 3/4"	.020"	25'	100'	4	3.40
1 3/4"	NHN1.75	1 1/2"	2"	.020"	25'	100'	4	4.00
2"	NHN2.00	1 3/4"	2 1/2"	.020"	25'	100'	4	4.40
3"	NHN3.00	2 1/4"	3 1/2"	.020"	25'	100'	4	6.50



FEATURES

Material	Polyamide Monofilament
Grade	HNM
Wall Thickness	.020"
Drawing Number	TF001NH-WD
Cutting	Hot Knife

COLORS



Black (BK), Silver (SV), Neon Orange (NO), Highlighter Yellow (HY)

CERTIFICATIONS





ABRASION

Abrasion Resistance	EXTREME
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	80°F
Humidity	72%
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

PHYSICAL PROPERTIES

Flat Filament	.020"
Flammability Rating	
Recommended Cutting	Hot Knife
Colors	4
Wall Thickness	.05"
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	19
Specific Gravity (ASTM D-792)	1.12
Moisture Absorption % (ASTM D-570)	2.5
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	
TML	1.10
CVCM	.01
WVR	.69
Smoke D-Max (ASTM E-662)	56
Outgassing	High
Oxygen Index (ASTM D-2863)	22

FLAMMABILITY

Rating	
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OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	509°F / 265°C
Maximum Continuous (Mil-I-23053)	302°F / 150°C
Minimum Continuous (Mil-I-23053)	-76°F / -60°C

CHEMICAL RESISTANCE

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

Aromatic Solvents	1
Aliphatic Solvents	1
Chlorinated Solvents	1
Weak Bases	1
Salts	1
Strong Bases	2
Salt Water (O-S-1926)	1
Hydraulic Fluid (MIL-H-5606)	1
Lube Oil (MIL-L-7808)	1
De-Icing Fluid (MIL-A-8243)	1
Strong Acids	4
Strong Oxidants	4
Esters/Ketones	1
UV Light	1
Petroleum	2
Fungus (ASTM G-21)	1
Halogen Free	
RoHS	Yes
SVHC	



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