



## 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	*Put-Ups		Available Colors	Kgs/100m
				M	L		
9,5mm	NHN0.38	6,4mm	12,7mm	30,5m	152,4m	4	1,49
12,7mm	NHN0.50	9,5mm	15,9mm	30,5m	152,4m	4	2,08
19,1mm	NHN0.75	15,9mm	25,4mm	15,2m	76,2m	4	3,13
25,4mm	NHN1.00	22,2mm	31,8mm	15,2m	76,2m	4	3,27
31,8mm	NHN1.25	25,4mm	38,1mm	15,2m	76,2m	4	3,72
38,1mm	NHN1.50	31,8mm	44,5mm	7,6m	30,5m	4	5,06
44,5mm	NHN1.75	38,1mm	50,8mm	7,6m	30,5m	4	5,95
50,8mm	NHN2.00	44,5mm	63,5mm	7,6m	30,5m	4	6,55
76,2mm	NHN3.00	57,2mm	88,9mm	7,6m	30,5m	4	9,67

\*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool



### FEATURES

Material	Polyamide Monofilament
Grade	HNM
Flat Filament Thickness	0,51mm
Drawing Number	TF001NH-WD
Cutting	Hot Knife

### COLORS



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

### CERTIFICATIONS





## ABRASION

Abrasion Resistance	<b>EXTREME</b>
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	80°F / 27°C
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	0,51mm
Flammability Rating	
Recommended Cutting	Hot Knife
Colors	4
Wall Thickness	1,3mm
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	0,01
WVR	0,69
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	