



- Lightweight
- Flame Resistant
- Resists Sparks
- Double Wall Construction
- Tear Resistant

Put-Ups

Nominal Size	Part #	Wall Thickness	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Kgs/100m
			Min.	Max				
3,2mm	DGN0.13BK	0,5mm	1,6mm	4,8mm	152,4m	68,6m	Black BK	0,3
6,4mm	DGN0.25BK	0,5mm	3,2mm	7,9mm	152,4m	61,0m	Black BK	0,6
8,5mm	DGN0.38BK	0,6mm	4,8mm	14,3mm	152,4m	38,1m	Black BK	0,6
12,7mm	DGN0.50BK	0,5mm	7,9mm	22,2mm	152,4m	30,5m	Black BK	1,2
19,1mm	DGN0.75BK	0,5mm	9,5mm	25,4mm	76,2m	22,9m	Black BK	1,8
31,8mm	DGN1.25BK	0,7mm	15,9mm	44,5mm	76,2m	15,2m	Black BK	3,0
44,5mm	DGN1.75BK	0,5mm	19,1mm	54,0mm	61,0m	15,2m	Black BK	3,8
50,8mm	DGN2.00BK	0,5mm	25,4mm	69,9mm	61,0m	15,2m	Black BK	4,7



Cut Cleanly  
Scissors

**Material**  
Carbon Fiber

**Grade**  
DGN

**Wall Thickness**  
0,5 - 0,7mm

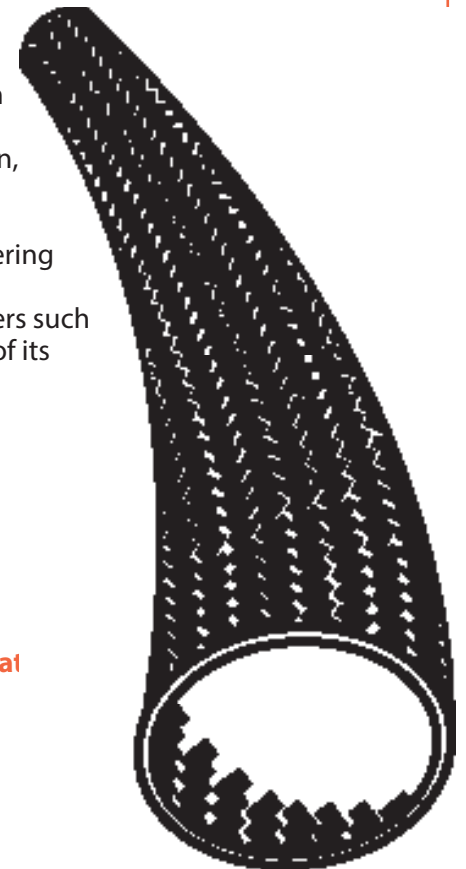
**Drawing Number**  
TF001DGN-WD

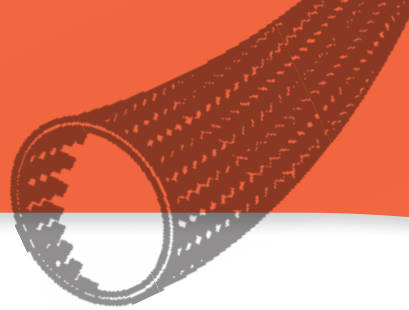
### Dragon Sleeve Flame Resistant

Techflex® Dragon Sleeve (DGN) is a truly non flammable product created for use in the most extreme environments. If your application comes in contact with flames, molten metal, sparks or any variety of high temperature hazard Dragon products are available to take the abuse. Industries like motorsports, welding, fabrication, and fire safety will appreciate the versatility of Dragon Sleeve. The high flexibility braided construction is a one of a kind solution for covering hoses and wires with a fire prevention jacket. When compared to other "non-Flammable" fibers such as para-aramids Dragon fiber maintains 100% of its strength longer and at higher temperatures. Dragon Sleeve is available in 8 standard sizes.

Colors Available:  
1 = BK

"Industries like motorsports, welding, fabrication, and fire safety will appreciate the versatility of Dragon Sleeve."





## ABRASION

**Abrasion Resistance**  
**Low**

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

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

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

**Tested at Room**  
**Temperature**

**Visible Fraying**  
**100 Test Cycles**

**Material Destroyed**  
**200 Test Cycles**

**Pre-Test Weight**  
**8,564.7mg**

**Post-Test Weight**  
**6,897.6mg**

**Test End Loss Of Mass**  
**Point Of Destruction**  
**1,667.1mg**



## FLAMMABILITY

Rating \_\_\_\_\_ Flame Resistant



## CHEMICAL RESISTANCE

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

Acid \_\_\_\_\_ 2

Alkaline \_\_\_\_\_ 3

Organic Solvent \_\_\_\_\_ 1

Bleach \_\_\_\_\_ 4

## OTHER PROPERTIES

Limited Oxygen Index (LOI) \_\_\_\_\_ 45-55

Ultraviolet Resistance \_\_\_\_\_ Excellent

Char Shrinkage \_\_\_\_\_ Excellent

Char Strength \_\_\_\_\_ Excellent

Decomposition Temp \_\_\_\_\_ 450°C/842°F

RoHS \_\_\_\_\_ Yes



## PHYSICAL PROPERTIES

Monofilament Diameter \_\_\_\_\_ 0,25mm  
ASTM D-204

Recommended Cutting \_\_\_\_\_ Scissors

Colors \_\_\_\_\_ 1

Wall Thickness \_\_\_\_\_ 0,5-0,7mm

Melt Point  
ASTM D-2117  
°F (°C)

Maximum Continuous  
Mil-I-23053  
°F (°C)

Minimum Continuous  
°F (°C)

