



DRAGON SLEEVE®
LIGHTWEIGHT · FLAME RESISTANT · RESISTS SPARKS
DOUBLE WALL CONSTRUCTION · TEAR 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.

SIZING CHART

Nominal Size	Part #	Min Expansion	Max Expansion	Wall Thickness	*Put-Ups		Available Colors	Kgs/100m
					M	L		
3,2mm	DGN0.13BK	1,6mm	4,8mm	0,5mm	68,6m	152,4m	1	0,30
6,4mm	DGN0.25BK	3,2mm	7,9mm	0,5mm	61,0m	152,4m	1	0,60
8,5mm	DGN0.38BK	4,8mm	14,3mm	0,6mm	38,1m	152,4m	1	0,60
12,7mm	DGN0.50BK	7,9mm	22,2mm	0,5mm	30,5m	152,4m	1	1,20
19,1mm	DGN0.75BK	9,5mm	25,4mm	0,5mm	22,9m	76,2m	1	1,80
31,8mm	DGN1.25BK	15,9mm	44,5mm	0,7mm	15,2m	76,2m	1	3,00
44,5mm	DGN1.75BK	19,1mm	54,0mm	0,5mm	15,2m	61,0m	1	3,80
50,8mm	DGN2.00BK	25,4mm	69,9mm	0,5mm	15,2m	61,0m	1	4,70

*Put-Ups: “M” = Shop Spool and “L” = Bulk Spool



FEATURES

Material	Carbon Fiber
Grade	DGN
Wall Thickness	0,5mm - 0,7mm
Drawing Number	TF001DGN-WD
Cutting	Scissors

COLORS



Black (BK)

CERTIFICATIONS





ABRASION

Abrasion Resistance	LOW
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	77°F / 25°C
Humidity	54%
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

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	0,25mm
Flammability Rating	Flame Resistant
Recommended Cutting	Scissors
Colors	1
Wall Thickness	0,5mm - 0,7mm
Limited Oxygen Index (LOI)	45-55
Ultraviolet Resistance	Excellent
Char Shrinkage	Excellent
Char Strength	Excellent
Decomposition Temp	842°F / 450°C

FLAMMABILITY

Rating	Flame Resistant
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OPERATING TEMPERATURES

Decomposition Temp	842°F / 450°C
Maximum Continuous (Mil-I-23053)	°F / °C
Minimum Continuous	°F / °C

CHEMICAL RESISTANCE

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

Acid	2
Alkaline	3
Organic Solvent	1
Bleach	4
RoHS	Yes