

Flame-Retardant Expandable Braided Sleeving

pro-POWER



Description

Flame-retardant and fray-resistant expandable braided sleeving is easy to cut and install, with the added advantage of a flame inhibitor to provide an extra level of safety in certain applications. Under normal conditions, this sleeving will quickly self-extinguish and minimize flame spread and incidental damage to surrounding components.

By adjusting the physical characteristics of the polyethylene terephthalate (PET) braided filaments this sleeving is able to be cut with ordinary scissors and still maintain an extraordinarily fray-resistant end. Perfect for field installers and other situations where access to a hot knife is impossible. Fray-resistant properties allows frequent expansion at the cut end without unravelling. When cut with a hot knife, this sleeving produces a virtually frayless end.

The combination of flame-retardance, fray-resistance, ease of installation and nearly complete coverage makes this sleeving an ideal solution for many industrial and engineering applications.

Features:

- Cuts easily, neatly with scissors and maintains a fray resistant end
- Increased braid density for fuller coverage
- Expands for ease of installation
- Cut and Abrasion Resistant
- Halogen Free

Specifications:

Physical Properties

Monofilament Thickness (ASTM D-204)	: 0.008"
Recommended Cutting	: Hot Knife / Scissor
Colours	: Black w / White tracer
Wall Thickness	: 0.024"
Tensile Strength - Yarn (ASTM D-2265) lbs.	: 6
Abrasion Resistance	: Medium
Specific Gravity	: 1.38
Moisture Absorption % (ASTM D-570)	: 0.1 to 0.2

Hard Vacuum Data (ASTM E-595 at 10-5 torr)

TML	: 0.19
CVCM	: 0.00
WVR	: 0.16
Smoke D-Max (ASTM E-662)	: 56
Outgassing	: Medium
Oxygen Index (ASTM D-2863)	: 21

Operating Temperatures

Min. Continuous	: -94°F (-70°C)
Max. Continuous (MIL-I-23053)	: +257°F (+125°C)
Melt (ASTM D-2117)	: +482°F (+250°C)

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Chemical Resistance

Aromatic Solvents	2	Aliphatic Solvents	1
Chlorinated Solvents	3	Weak Bases	1
Strong Bases	2	Salt Water (O-S-1926)	1
Hydraulic Fluid (MIL-H-5606)	1	Lubricating Oil (MIL-A-8243)	1
De-Icing Fluid (MIL-A-8243)	1	Strong Acids	3
Strong Oxidants	2	Esters/Keytones	1
UV Light	1	Petroleum	1
Fungus (ASTM G-21)	1	Salts	1

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

Size:

Nominal Size	Expansion Range		Spool Size
	Min.	Max.	
1"	3/4"	1-3/16"	250'

Part Number Table

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Flame-Retardant Expandable Braided Sleeving, Size 1" Nom., Black with White Tracer	SPC9867

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