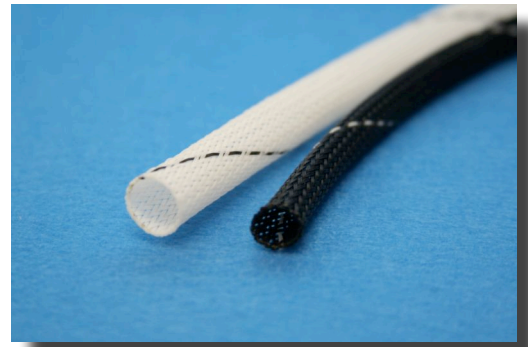


FLEX-GUARD H

Expandable Halar™ Monofilament Sleeving

Halar™ registered Trademark of Solvay Solexis Corp.



DESCRIPTION

- Braided sleeving produced from Halar™ Fluoropolymer (E-CTFE) monofilament
- Halar™ is rated for use up to 150°C
- Meets FAR 29.853 / FAR 25.853 requirements
- Tough yet lightweight protective sleeving
- Will not support combustion in air when placed in direct exposure to a flame
- Standard colors: Black with white spiral or White with black spiral
- Also available in a tight weave construction (*please call for availability and lead time*)

FEATURES

- Demonstrates excellent chemical and fungus resistance
- Resistance to abrasion and cut-through make it ideal for many industrial and electrical applications
- Passes most tests for low flammability, limited flame travel and self-extinguishing requirements, providing additional safety
- Open weave construction allows expansion above or below original diameter to apply and slip on quickly over irregular shapes
- Good flexibility retained at low temperatures, allows for easy flexing in any direction
- Can neatly capture a number of different sized items within one length

APPLICATIONS

- Most commonly used over wires, wire bundles and harnesses, cable assemblies, flat ribbon cable, tubing and hoses to provide a tough, durable protection
- Open weave construction allows for complete drainage, prevents condensation and provides for dissipation of heat and moisture
- Ability to withstand radiation exposure making it suitable for nuclear applications
- Ideal for application in military applications, machine tools, automatic equipment and robotics where wires and tubes are required to flex freely during operating cycles
- Suitable for exposure to all weather conditions

PROPERTIES	TEST METHOD	PERFORMANCE
Tensile Strength	ASTM D-876	38,000 psi
Elongation	ASTM D-876	25%
Specific Gravity	ASTM D-876	1.68
Moisture Absorption	ASTM D-570	0.01%
24 hours / Shrinkage @ 180°C		3%
Max. Operating Temperature	UL 224	150°C
Melt Temperature	ASTM D-2117	240°C
Low Temperature Flexibility	MIL I 23053-E	-70°C
Flammability	UL 224	VW-1/FR-1
	UL 94	94 VO
Flexural Modulus	ASTM D-790	240
10 ³ psi @ 73°F		
Thermal Conductivity	ASTM C-177	3.8
10 ⁻⁴ cal. - cm./sec.-cm ² .°C		
Limiting Oxygen Index	ASTM D-2863	47%
Smoke Density	ASTM E 622	94
Fungus Resistance	MIL STD 810 (508)	No Growth
Copper Corrosivity	MIL I 23053	No Effect

FLUID RESISTANCE

Testing verifies that there is virtually no effect on the tensile strength or elongation of FLEX-GUARD H when exposed to the following fluids: Cleaning Fluid, De-icing Fluid, Fuel Oil, Gasoline, Hydraulic Fluid, Lubricating Oil, Salt Water and Solvents

DIMENSIONS

Size Nominal I.D.	Size Range (inches)	Approx. Weight lbs./1000 ft.	Std. Spool put-up
1/8"	3/32" - 1/4"	2.5	1000 ft.
1/4"	1/8" - 3/8"	3.8	1000 ft.
3/8"	1/4" - 5/8"	9.0	500 ft.
1/2"	1/4" - 3/4"	11.5	500 ft.
5/8"	3/8" - 7/8"	8.0	500 ft.
3/4"	1/2" - 1-1/4"	17.5	250 ft.
1-1/4"	7/8" - 1-3/4"	25.6	250 ft.
1-1/2"	1" - 2"	34.5	250 ft.
1-3/4"	1-1/4" - 2-3/4"	40.0	200 ft.
2"	1-1/2" - 3-1/2"	46.0	200 ft.
2-1/2"	1-3/4" - 4-1/2"	55.0	100 ft.

The information provided above represents average values and is believed to be reliable. Alta Technologies, Inc. makes no warranties as to its accuracy and disclaims any liability in connection with its use. It is provided for general use only and should not be incorporated into any specific specifications.



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