

954 FLEX-GUARD H

SERIES *Expandable Halar® Monofilament Sleeving*



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 tracer strand
- Also available in 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 test 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

DIMENSIONS

PART NUMBERS (COLOR: BLACK)	SIZE NOMINAL ID	SIZE RANGE	APPROX. WEIGHT/1000 FT.	STD. SPOOL PUT-UP
95420125	1/8"	3/32" - 1/4"	2.5 lbs.	1000 ft.
95420250	1/4"	1/8" - 3/8"	3.8 lbs.	1000 ft.
95420375	3/8"	1/4" - 5/8"	9.5 lbs.	500 ft.
95420500	1/2"	3/8" - 3/4"	11.4 lbs.	500 ft.
95420750	3/4"	1/2" - 1-1/4"	17.2 lbs.	250 ft.
95421250	1-1/4"	7/8" - 1-3/4"	25.6 lbs.	250 ft.
95421500	1-1/2"	1" - 2"	34.2 lbs.	250 ft.
95421750	1-3/4"	1-1/4" - 2-3/4"	40.0 lbs.	250 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.

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, Lubrication Oil, Salt Water, Solvents

PROPERTIES

Tensile Strength
Elongation
Specific Gravity
Moisture Absorption
24 Hours/Shrinkage @ 180°C
Max. Operating Temperature
Melt Temperature
Low Temperature Flexibility
Flammability

TEST METHOD

ASTM D-876
ASTM D-876
ASTM D-876
ASTM D-570
UL 224
ASTM D-2117
MIL I 23053-E
UL 224

PERFORMANCE

38,000 psi
25%
1.68
0.01%
3%
150°C
240°C
-70°C
VW-1/FR-1

TESTING

Flexural Modulus 10³ psi @ 73°F
Thermal Conductivity 10⁻⁴ cal.-cm./sec.-cm²·°C
Limiting Oxygen Index
Smoke Density
Fungus Resistance
Copper Corrosivity

UL 94
ASTM D-790
ASTM C-177
ASTM D02863
ASTM E 622
MIL STD 810 (508)
MIL I 23053
94 VO
240
3.8
47%
94
No Growth
No Effect



Halar® is a registered trademark of Solvay Solexis Corp.



ALTA TECHNOLOGIES, INC.

P.O. Box 100, Pennington, NJ 08534 | www.altatechinc.com | E: info@altatechinc.com | P: 609-538-9500 | F: 609-538-9501