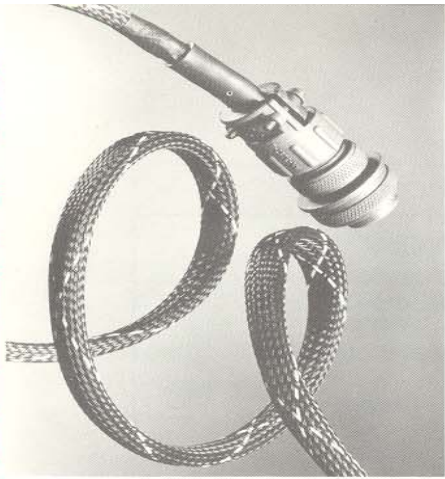


# SLEEVING



## NATVAR E-MF HT HIGH TEMPERATURE EXPANDABLE MONOFILAMENT SLEEVING

Rated for 150°C  
UL recognized card #E 101801

### PRODUCT DESCRIPTION

Natvar E-MF HT is a braided expandable monofilament sleeving constructed of 100% Halar\* Fluoropolymer (E-CTFE) yarns which exhibit remarkable resistance to temperature extremes. E-MF HT is rated at 150° C (300° F) and will not burn or melt when exposed directly to flame.

E-MF HT sleeving is flexible and lightweight and expands to two or three times its original ID when the length is contracted, allowing easy installation. When relaxed, the sleeving forms a snug and customized fit over even the most irregular objects without the use of heat or special tools.

In addition to the expansive characteristics, E-MF HT is resistant to most chemical environments and common solvents. E-MF HT, while impervious to rot and fungus, will not degrade when exposed to grease, oils, fuels and salt water. This chemical resistance, coupled with the superior combustion characteristics, enables this product to be used in the most stringent aerospace and military applications.

Natvar E-MF has been specially processed to provide a rounder, more fray-resistant product that resists flattening and creasing even after prolonged spooling. The rounder product has proven easier to apply in most situations as the need for cuffing has virtually been eliminated

Natvar E-MF HT is supplied as standard in black or white with a single spiral tracer for easy identification.

### PRODUCT ADVANTAGES

E-MF HT is a tough flexible protective sleeving which exhibits the following:

- Expands to 2-3 times its original ID for quick easy application.
- High abrasion and cut-thru resistance
- Flexible down to -75°C (-100°F)
- Withstands short-term temperature extremes up to 220°C (430°F).
- UL recognized - rated 150°C (300°F). File #E 101801
- Not effected by most chemicals, fuels, oils, solvents and salt water.
- Impervious to rot and fungus (MIL-I-631)
- Cost effective replacement for heat shrink where shrink tubing is being used for abrasion resistance.
- Rounder, more fray-resistant than most competitive products.



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TYPICAL PROPERTIES		
Property	Test Method	Typical Value
Polymer Type		Ethylenechloro- trifluoroethylene (E-CTFE)
Melt Temperature	ASTM D-2117	240 °C (465 °F)
Tensile Strength PSI	ASTM D-876	44,000
Elongation %	ASTM D-876	25
Flammability	UL-94	V-O
	UL-224	VW-1
Oxygen Index	ASTM D-2863	60
Fungus Resistance	MIL-I-631	0-1
Moisture Absorption	ASTM D-570	.010 IN.
Strand Diameter		.011 IN.
Radiation Resistance		2 x 10 <sup>8</sup> Rads

\*Halar is a registered trademark of Allied Chemical Company.

### E-MF HT

Nom.	Diameter Range		Std Spl Lgth (FT)	Lbs per MFT
	Min.	Max.		
1/4	1/8	3/8	1000	3.8
1/2	1/4	7/8	500	11.4
3/4	1/2	1-3/8	250	17.2
1 1/4	3/4	1 1/2	250	25.6
1 3/4	1 1/4	2 1/2	100	40