



GREMFLEX® NO

TECHNICAL DATA SHEET

GREMFLEX® NO : Aramid Monofilament expandable sleeving

GREMFLEX® NO is a flexible tubular expandable sleeving, braided with Nomex polyaryl-amide fibres. This lightweight braided product exhibits an exceptional thermal stability and chemical, solvent and abrasion resistance. The **GREMFLEX® NO** retains its integrity at temperature over 254°C. (the melting point of Nylon) or in presence of Beta, gamma and X-ray radiation or when exposed to high humidity or moisture.

The high expansion allows the **GREMFLEX® NO** to be easily drawn on long lengths of wiring and cover a wide range of diameters with only few products sizes.

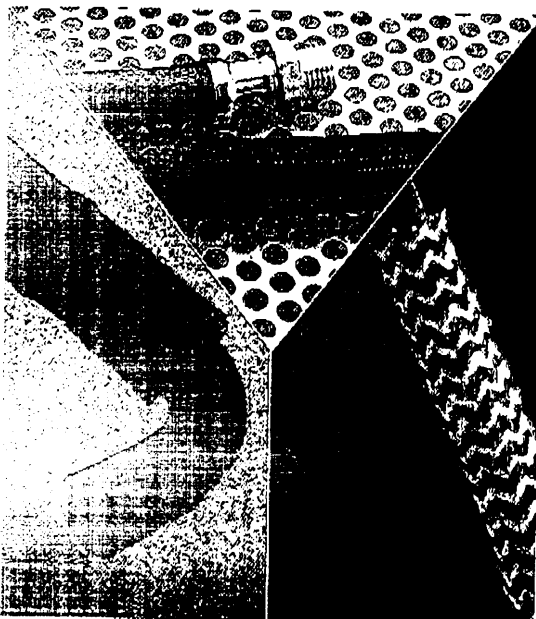
GREMFLEX® NO is ideal for a wide range of applications such as military and aerospace wiring harnessing applications.

Working temperature

Up to 254°C

Standard color

- Olive Drab, Ash Green,
- Color red permanent dyed will be available for armament systems.



DIMENSION DATA

Reference	Nominal Diameter (mm)	Range of use advised (mm)		Construction	
		Mini	Maxi	N°Yarns	Weight G/100 m.
GREMFLEX® NO	1/8"	4	4	72	183
GREMFLEX® NO	1/4"	6	8	288	750
GREMFLEX® NO	3/8"	8	12	384	1000
GREMFLEX® NO	1/2"	10	16	480	1350
GREMFLEX® NO	5/8"	15	20	526	1600
GREMFLEX® NO	3/4"	20	24	720	1800
GREMFLEX® NO	1"	25	30	1152	3200
GREMFLEX® NO	1 1/4"	30	40	1440	4000



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Technical characteristics

TYPICAL PROPERTIES AT 21°C

Fibre	200 deniers (220 dtex)
Limiting Oxygen Index (LOI)	29 %
Tensile strength at break	
- Conditioned at 65% RH	4,4 cN/dtex
- Wet	3,5 cN/dtex
Elongation at break	
- Conditioned at 65% RH	25 %
- Wet	16 %
Initial modulus (at 100% elongation)	
- Conditioned at 65% RH	110 cN/dtex
Specific gravity	1,38
Coefficient of linear expansion (between 21 and 204°C) after relaxed heat-setting at 260°C	2×10^{-4} cm/(cm.°C)
Thermal conductivity	0,13 W/(m.K)
Flame resistance	Nomex does not melt or flow till 371°C.
Chemical resistance	Resistance to most mineral acids, organic acids, alkalis, bleaching agents, organic chemicals and salt solutions. Unaffected by Freon, gasoline, jet fuel, Ethylene Glycol and Methyl Alcohol.

PACKAGING

On coils or reels of continuous lengths

