GREMFLEX® NO

TECHNICAL DATA SHEET

GREMFLEX® NO is flexible tubular expandable sleeving, braided with Nomex® polyarylamide fibres. This lightweight braided product shows exceptional thermal stability and chemical, solvent and abrasion resistance. It retains its integrity at temperatures over +254°C (the melting point of Nylon), in the presence of Beta, Gamma and X-ray radiation or when exposed to high humidity and moisture.

Its high expansion allows **Gremflex® NO** to be easily drawn over long lengths of wiring and cover a wide range of diameters with only few product sizes.

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

Working temperature	-60°C up to +254°C
Standard colours	Green camouflage, ivory.

DIMENSION DATA

Reference Gremflex®	Nominal diameter (in mm)	Range of use advised (in mm)		Construction	
		Mini.	Maxi.	N° of yarns	Weight g / 100 m (±10%)
Nomex	4	2	4	72	183
Nomex	6	4	8	288	750
Nomex	8	5	12	384	1000
Nomex	10	8	16	480	1350
Nomex	15	10	20	526	1600
Nomex	20	12	24	720	1800
Nomex	25	15	30	1152	3200
Nomex	30	20	40	1440	4000

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TECHNICALCHARACTERISTICS (AT +21°C):

	Standard Requirements
PHYSICAL	
Monofilament	220 dtex
Working temperature	-60°C up to +254°C
Specific gravity	1,38
Coefficient of linear expansion	
(Between +21°C and +204°C)	$2x10^{-5}$cm/ (cm.°C)
Tensile strength at break	
-Wet	16%
-Conditioned at 65% RH	25%
Elongation at break	
-Wet	3,5 cN/dtex
-Conditioned at 65% RH	4,4 cN/dtex
Flame resistance (Temperature below +371°C)	Not melt or flow
Initial modulus (At 100% elongation – conditioned at 65% RH)	110 cN/dtex
THERMAL	
Thermal conductivity	0,13 W (mK)
CHEMICAL	
Oxygen index	29% maxi.
Chemical resistance	Unaffected by most chemicals (Consult us for special environments)
PACKAGING	
On coils or reels of continuous lengths.	

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We certify that the values provided are as accurate as possible. Use of these values, however, remains the sole responsibility of the customer and cannot in any way substitute for testing the product under real conditions of use. The user must assess whether this product is suitable for a particular use. Gremco shall not be held responsible for any loss or anomaly resulting from the correct or incorrect use of this product.

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