

Nomex® norpromex®

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Technical Datasheet



Nomex® Braided Sleeving

Key features.

- A flexible tubular expandable sleeving, braided with Nomex (polyaryl-mide) multifilament fibres
- This lightweight braided product exhibits an exceptional thermal stability and chemical, solvent and abrasion resistance
- Used for a wide range of applications such as military and aerospace wiring and harnessing applications
- Low smoke, low toxicity and halogen free
- The expandable construction allows the sleeving to be easily drawn on long lengths of wiring and cover a wide range of diameters with only a few product sizes
- The sleeving retains its integrity at temperatures over 245°C, (the melting point of Nylon) or in presence of Beta, gamma and X-ray radiation or when exposed to high humidity or moisture.
- Packaging Available in spool, coils or cut pieces (on request). Other packaging or diameter available upon request.

Specification.

Material:

Nomex (Polyaryl-mide)

Colour options:

Camouflage

Operating temperature:

-50°C to +150°C

Tensile strength at break:

Conditioned at 65%. RH: 4.4cN/dtex. Wet: 3.5cN/dtex

Elongation at break:

Conditioned at 65%. RH: 25%. Wet: 16%

Initial modulus at 100% elongation:

Conditioned at 65%. RH: 110cN/dtex

FIBRE:

200 Deniers (220 dtex)

Specific gravity:

1.38

Thermal conductivity:

0.13W (m.K)

Flame resistance:

Nomex does not melt or flow till 371°C UL94-V0

Chemical resistance:

Mineral acids, organic acids, alkalis, cleaning agents, salt solutions, unaffected by freon, gasoline, jet fuel, ethylene glycol and methyl alcohol

Standards:

MIL-C-43435B

Reference	Recommended range of use (mm)
NOMEX®	
002	01 to 02
004	02 to 04
006	04 to 08
008	06 to 12
010	08 to 16
015	10 to 20
020	12 to 24
025	15 to 30
030	20 to 40

Expandable Braided Sleeving

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