

TECHNICAL DATA SHEET

NOMEX HIGH TEMPERATURE SLEEVING: ARAMID MONOFILAMENT EXPANDABLE SLEEVING

NOMEX HIGH TEMPERATURE SLEEVING 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 SLEEVING 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 SLEEVING TO BE EASILY DRAWN ON LONG LENGTHS OF WIRING AND COVER A WIDE RANGE OF DIAMETERS WITH ONLY A FEW PRODUCT SIZES.

IT IS IDEAL FOR A WIDE RANGE OF APPLICATIONS SUCH AS MILITARY AND AEROSPACE WIRING HARNESSING APPLICATIONS.

WORKING TEMPERATURE - UP TO 254°C

STANDARD COLOUR - OLIVE DRAB, IVORY AND BLACK

| REFERENCE | NOM. DIA (MM) | DIMENSIONS (MM) | | CONSTRUCTION NO. WEIGHT | | REEL LENGTH M | |
|-----------|---------------|-----------------|-----|-------------------------|--------|---------------|-----|
| | | MIN | MAX | YARNS | g/100m | | |
| HT125 | 1/8" | 4 | 2 | 4 | 72 | 183 | 100 |
| HT250 | 1/4" | 6 | 4 | 8 | 288 | 750 | 50 |
| HT375 | 3/8" | 8 | 5 | 12 | 384 | 1000 | 50 |
| HT500 | 1/2" | 10 | 8 | 16 | 480 | 1350 | 50 |
| HT625 | 5/8" | 15 | 10 | 20 | 526 | 1600 | 50 |
| HT750 | 3/4" | 20 | 12 | 24 | 720 | 1800 | 50 |
| HT1000 | 1" | 25 | 15 | 30 | 1152 | 3200 | 50 |
| HT1250 | 1 1/4" | 30 | 20 | 40 | 1440 | 4000 | 25 |
| HT1500 | 1 1/2" | 35 | 25 | 50 | 1440 | 5000 | 25 |
| HT1750 | 1 3/4" | 40 | 30 | 60 | 1920 | 7500 | 25 |

ORDERING INFORMATION

PART NO
HT625-OD
-IVORY
-BLACK

SUPPLIED ON REELS BETWEEN 25-100 METRES

TECHNICAL CHARACTERISTICS

TYPICAL PROPERTIES AT 21°C

FIBRE 200 DENIERS (220 DTEX)

LIMITING OXYGEN INDEX 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 (@ 100% ELONGATION)
- CONDITIONED AT 65% RH 110 cN/dtex


SPECIFIC GRAVITY 1.38

COEFFICIENT OF LINEAR EXPANSION (BETWEEN 21 AND 204°C) 2 x 10 (e-6) cm/(cm.°C)
AFTER RELAXED HEAT-SETTING AT 260°C

THERMAL CONDUCTIVITY 0.13 W/(mK)

FLAME RESISTANCE NOMEX DOES NOT MELT OR FLOW BELOW 371°C

CHEMICAL RESISTANCE RESISTANCE TO MOST MINERAL ACIDS, ORGANIC ACIDS, ALKALIS, BLEACHING AGENTS, ORGANIC CHEMICAL AND SALT SOLUTIONS. UNAFFECTED BY FREON, GASOLINE, JET FUEL, ETHYLENE GLYCOL AND METHYL ALCOHOL.

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| TECH DATA | NOMEX HIGH TEMPERATURE SLEEVING | |
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|  POLAMCO LTD | | WESTON LOCK LOWER BRISTOL ROAD BATH BA2 1EP |