



Product data sheet N-tech 40

N-tech 40 is a heat-resistant, non-melting, self-extinguishing sewing thread, made from long staple spun meta-aramide fibres (schappe) of the brand DuPont™ NOMEX® for high temperatures. The long-term heat resistance is approx. 220°C and the decomposition temperature is approx. 370°C. N-tech has been certified according to test standard DIN EN ISO 15025 and fulfill the standard DIN EN ISO 11.611, DIN EN ISO 11.612, DIN EN ISO 14.116 and DIN EN 469. The testing must be exclusively done on the finished piece in conjunction with all components.

Applications¹

For heat-protective wear, working gloves, hot gas filters, cable isolation, racing wear, airplane seats, flame retardent textiles, airbag and trim/interiors in the automotive sector.

Technical Data¹

Material	Nomex® DuPont™ meta-aramide
Construction	schappe spun
Linear density (Nm) (ISO DIN EN ISO 2060)	approx. Nm 36 / 3
Linear density (dtex) (ISO DIN EN ISO 2060)	approx. 278 * 3 dtex
Breaking force (ISO DIN EN ISO 2062)	approx. 2905 cN
Elongation at break (ISO DIN EN ISO 2062)	approx. 23 %

Fastness Properties¹

Colour fastness to perspiration (ISO 105 E 04)	≥ 3-4
Colour fastness to water (ISO 105 E 01)	≥ 4
Colour fastness to washing 60°C (ISO 105 C06 - C2S)	≥ 4-5
Colour fastness to rubbing 1) dry (ISO 105 X 12)	≥ 4
Colour fastness to rubbing 2) wet (ISO 105 X 12)	≥ 4

Care labels



Ticket No.	Tex No.	Article No.	Make-up	Thread carrier	No. of colours
40	75	3607	3.000 m	cone	15

Needle size

The following needle sizes are recommended: Nm 100 - 120



¹ data based on 2012, created on 06.03.2014. These details and data are provided purely for informational purposes. The mentioned applications are given as examples only. Individual tests are important to ensure that required technical specifications are fulfilled.