



SPUN ARAMID PRODUCT RANGE

Sewing threads for personal protection

For heat and flame protection

Personal protective equipment (PPE) requires a broad spectrum of functional thread solutions. Optimum sewability, tear- and abrasion resistance and particularly high heat resistance are important properties. These are complemented by special requirements for safety and protection, for example, cut-resistant and bullet-proof clothing, heat- and flame resistant apparel, as well as ABC protective clothing. Wherever reliable performance and safety are the priorities, our aramid threads are the best choice as they meet these requirements. Besides, they also convince through their outstanding functionality, durability, a high degree of wearing comfort and an appealing look enabling modern and fashionable protective wear.

Why to prefer our spun aramid threads?

- Tear resistant threads for all sewing applications
- Highly heat resistant 100 % meta-aramid fibres
- Reliable temperature resistance up to approx. 360 °C
- Self-extinguishing and non-melting
- Highly durable: decomposition temperature starts at 371 °C – permanent temperature resistance up to approx. 260 °C
- Good chemical resistance against low-strength acids and alkalines
- OEKO-TEX® STANDARD 100 and DIN EN ISO 15025 certified for highest flame protection and limited flame spread



Our Spun Aramid range

GÜTERMANN K

Gütermann K is our long staple spun sewing thread made of 100% NOMEX® aramid. Thanks to this thread construction it has a higher tensile strength. It is therefore ideal for applications where this property is absolutely necessary e.g. protective workwear, canvas covers and equipment where high heat and flame resistance is required.

ANESAFE®

Anesafe® is our short staple spun sewing thread made of 100% NOMEX® aramid. This thread is the most demanded aramid thread in the application of personal high heat and flame resistance clothing and equipment.



GÜTERMANN K AR

Gütermann K AR is our short staple spun sewing thread made of 100% meta-aramid. This sewing thread is our economical solution and is particularly suitable for sewing applications e.g. protective workwear and equipment where high heat and flame resistance is required.





GÜTERMANN K

Material: 100% m-aramid (Nomex®)
Thread construction: Spun, long fibre

Areas of use

Protective workwear | workwear | filter industry | home textile | aviation industry and power engineering

Shade range

Spun aramid shade card

Care instructions



Product benefits

High tensile strength | Highly heat resistant | Withstands temperatures of up to approx. 360 °C for short periods | Not melting | Self-extinguishing | Good chemical resistance against low-strength acids and alkalines | Good sewability | Matte appearance

Article	dtex	tex	Make-up	Code	Needle size	Strength	Elongation
K 753 No./Tkt. 40	750(3)	75	3.000 m	701342.X	NM 100 – 110 / 16 – 18	> 2.500 cN	∅ 22 %
K 403 No./Tkt. 70	400(3)	40	700 m 5.000 m	701319 701299.X	NM 90 – 100 / 14 – 16	> 1.500 cN	∅ 20 %

Fastnesses

Wash fastness	ISO 105 C10 C	grade 3 or better
Water fastness	ISO 105 E01	grade 3 or better
Rub fastness	ISO 105 X12	grade 3 or better
Hypochlorite fastness	DIN EN 20105 - N01	grade 3 or better
Dry cleaning fastness	ISO 105 D01	grade 3 or better
Perspiration fastness	ISO 105 E04	grade 3 or better
Light fastness	ISO 105 B02	grade 2 - 3 or better

Further parameters

Decomposition temperature starts at 371 °C
Boiling shrinkage (30 min.) < 1 %
Thermal shrinkage (160 °C / 30 min.) < 1 %

Please note: The indicated technical information is based on average values and should only serve as a point of reference.

Certified Protection

Gütermann K is certified according to DIN EN ISO 15025 and is thus ideally suited for clothing applications that must comply with the DIN EN 469, EN ISO 11612, EN ISO 11611, EN ISO 14116 standards. Furthermore it is certified according OEKO-TEX® STANDARD 100.



Shade range

32001	00012	00004	00048	00025	00010	00037	00005	03024
00035	00003	01364	00007	00040	00002	00011	00038	00044
00042	00024	00029	00009	06975	32002	32819	33423	33825

Old stock colours remain available as special colours.



ANESAFE®

Material: 100% m-aramid (Nomex®)
Thread construction: Spun, short fibre

Areas of use

Protective workwear | workwear | filter industry | home textile | aviation industry and power engineering

Shade range

Spun aramid shade card

Care instructions



Product benefits

Highly heat resistant | Withstands temperatures of up to approx. 360 °C for short periods | Not melting | Self-extinguishing | Good chemical resistance against low-strength acids and alkalines | Good sewability | Matte appearance

Article	dtex	tex	Make-up	Code	Needle size	Strength	Elongation
No./Tkt. 36	800(3)	80	3.000 m	705704	NM 110 – 130 / 18 – 21	> 2.000 cN	∅ 32 %
No./Tkt. 50	600(3)	60	4.000 m	705705	NM 100 – 110 / 16 – 18	> 1.600 cN	∅ 34 %
No./Tkt. 75	400(3)	40	700 m 5.000 m	705714 705702	NM 90 – 100 / 14 – 16	> 1.300 cN	∅ 30 %
No./Tkt. 120	270(2)	27	5.000 m	705703	NM 80 – 90 / 12 – 14	> 500 cN	∅ 25 %

Fastnesses

Wash fastness	ISO 105 C10 C	grade 3 or better
Water fastness	ISO 105 E01	grade 3 or better
Rub fastness	ISO 105 X12	grade 3 or better
Hypochlorite fastness	DIN EN 20105 - N01	grade 3 or better
Dry cleaning fastness	ISO 105 D01	grade 3 or better
Perspiration fastness	ISO 105 E04	grade 3 or better
Light fastness	ISO 105 B02	grade 2 - 3 or better

Further parameters

Decomposition temperature starts at 371 °C
Boiling shrinkage (30 min.) < 1 %
Thermal shrinkage (160 °C / 30 min.) < 1 %

Please note: The indicated technical information is based on average values and should only serve as a point of reference.

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Shade range

32001	00012	00004	00048	00025	00010	00037	00005	03024
00035	00003	01364	00007	00040	00002	00011	00038	00044
00042	00024	00029	00009	06975	32002	32819	33423	33825

Old stock colours remain available as special colours.



GÜTERMANN K AR

Material: 100% m-aramid
Thread construction: Spun, short staple

Areas of use

Protective workwear | workwear | filter industry | home textile | aviation industry and power engineering

Shade range

Spun aramid shade card:
15 colours

Care instructions



Product benefits

Highly heat resistant | Withstands temperatures of up to approx. 360 °C for short periods | Not melting | Self-extinguishing | Good chemical resistance against low-strength acids and alkalines | Good sewability | Matte appearance

Article	dtex	tex	Make-up	Code	Needle size	Strength	Elongation
K 753 AR No./Tkt. 40	750(3)	75	3.000 m	777918.X	NM 100 – 110 / 16 – 18	> 2.000 cN	∅ 22 %
K 403 AR No./Tkt. 70	400(3)	40	5.000 m	771685.X	NM 90 – 100 / 14 – 16	> 1.150 cN	∅ 21 %

Fastnesses

Wash fastness	ISO 105 C10 C	grade 3 or better
Water fastness	ISO 105 E01	grade 3 or better
Rub fastness	ISO 105 X12	grade 3 or better
Hypochlorite fastness	DIN EN 20105 - N01	grade 3 or better
Dry cleaning fastness	ISO 105 D01	grade 3 or better
Perspiration fastness	ISO 105 E04	grade 3 or better
Light fastness	ISO 105 B02	grade 2 - 3 or better

Further parameters

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Boiling shrinkage (30 min.) < 1 %
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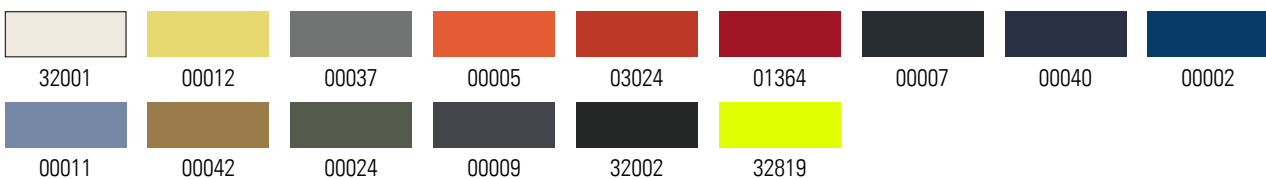
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Certified Protection

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Shade range



Old stock colours remain available as special colours.