





INTRO Isacord Page 40 Isamet Page 40 Isa Texlight Page 41 The Company Page 5 Isa Isabob Page 41 **UN Global Compact** Page 7 Rasant-Oxella Page 42 Service Page 9 Topfil Page 43 **Texturan** Page 43 Outdoor Pro Page 44 Serabraid Page 45 **SUSTAINABLE** Gore® Tenara® Page 46 PRODUCT RANGE Serabond Page 47 N-tech Page 48 Lifecycle Cotton Page 12 N-tech CS Page 48 A-tech Page 49 Lifecycle Polyamide Page 13 A-tech CS Page 49 Saba Recycled Page 14 Nc-tech Universal Recycled Page 15 Page 50 Sabatex Recycled Page 15 K-tech Page 51 Kc-tech Page 51 Serafil Recycled Page 16 Serafil fine Recycled Page 17 Silver-tech Page 52 Steel-tech Page 53 WRe PRODUCTS SPECIAL COLOURS Saba WRe Page 19 Multicolour Serafil WRe Page 20 Page 55 Onyx WRe Page 21 Neon Page 55 SPECIAL FINISHINGS **AMANN PRODUCTS** Saba Water-repellent Page 55 Page 24 Page 55 Universal Page 25 Waxed (T90) Sabaflex For Composites (Comphil) Page 55 Page 26 Bonded Sabasoft Page 55 Page 26 Sabatex soft Page 27 Sabatex Page 28 Serafil fine Page 29 Rasant Page 30 **RasantGD** Page 31 Mercifil Page 32 MercifilGD Page 33 Meta Page 34 Strongfix Page 35 Serafil Page 36 Onyx Page 38

Page 39

Strongbond



THE COMPANY

Since 1854, AMANN has been one of the leading global producers in the field of high-quality sewing and embroidery threads. Its technical expertise, reliability and flexibility in production and service makes AMANN a strong partner worldwide. In close cooperation with its customers, AMANN develops sewing and embroidery threads, as well as smart yarns for tomorrow's market requirements.

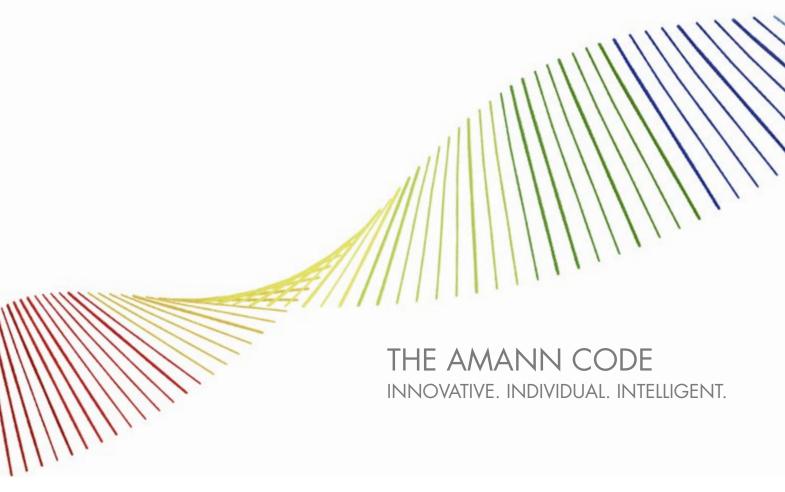
More than 2,500 motivated employees in more than 100 countries worldwide make AMANN's success possible. AMANN Group exclusively produces at its own production sites. The company headquarters are located in Bönnigheim, Germany.

THE AMANN CODE

Success has a secret. Intelligent products, individual solutions and innovative concepts: the amann code. AMANN produces threads meeting the highest standards, and develops ideas for creating seams that make your products even safer, more efficient, comfortable and beautiful. Developing new ideas is a tradition at AMANN.

We utilise the know-how from various industries and combine knowledge and expertise for the development of intelligent, modern products. Our customers' wishes and demands serve as our standards. Individual solutions are our strength – in product and colour management, and in service and logistics.

State-of-the-art technology is a prerequisite for innovative products. Through constant communication with our customers, partners and vendors, we develop sewing and embroidery threads as well as functional yarns and technical threads – always one step ahead, always at the highest technical level.





COMMITMENT TO THE PRECEPTS OF THE UN GLOBAL COMPACT

As a global company, AMANN has made the conscious decision to enter into the UN Global Compact. "The United Nations Global Compact is the world's biggest and most important initiative for responsible corporate management. Based on ten universal principles and the Sustainable Development Goals, it pursues the vision of an inclusive and sustainable global economy to the benefit of all people, communities and markets, today and in the future." It is AMANN's ambition not only to be a pioneer in terms of high-quality, sophisticated products, but also in activities in the spirit of sustainability.

Learn more about our sustainable achievements and targets in our annually published Sustainability Report.

In 2020, we have been awarded by United Nations as one of the TOP 50 sustainability & climate leaders worldwide.

CERTIFICATION & SAFETY

At AMANN, customer expectations regarding performance, reliability and technical expertise, as well as the quality and environmental compatibility of the products are an obligation and a motivation at the same time. Continuous compliance with the high-quality standards at AMANN Group is ascertained by the certification for quality management according to DIN EN ISO 9001.

ENVIRONMENTAL MANAGEMENT

AMANN's resource-friendly approach and its strive to keep the environmental impact as low as possible is documented by the certification in accordance with the DIN EN ISO 14001 environmental management system.

QUALITY COMMITMENT

The fulfilment of the process-oriented quality commitment for a safe production environment is proven by the certification under the strict IATF 16949 standards.

PRODUCT CERTIFICATIONS

The compliance with REACH guarantees that AMANN's products are not harmful. Moreover, they are certified according to STANDARD 100 by OEKO-TEX®, and a large number of the products are even certified to the stricter criteria of appendix 6.

AMANN products Saba, Sabatex, Sabaflex, Isacord, Serafil, N-tech and N-tech CS have been examined concerning the industrial wash resistance according to DIN EN ISO 15797, and have received the PRO-Label certification according to DIN EN ISO 30023.

The products from our Lifecycle line are Cradle to Cradle Certified® Gold and the products from our Recycled line are certified according to the Global Recycled Standard (GRS).



SERVICE

From development to production and everyday customer support, quality, precision and a great deal of creativity and passion characterise AMANN's performance.

RELIABILITY

Based on its vast expertise in the production of sewing and embroidery threads, AMANN has been serving the global textile industry for decades. AMANN is a reliable partner for all industries and offers professional product solutions, from fashionable to technical applications.

INTERNATIONAL SALES TEAM

Direct points of contact all over the world facilitate a more personal communication and have comprehensive understanding for the procedures within the sewing and embroidery industry.

COLOUR COMPETENCE

Colour is a crucial topic within the textile industry. The AMANN colour competence center utilises state-of-the-art technologies and employs experienced experts. A huge colour range that is available worldwide covers the most diverse requirements of all industries: from fashion to shoes & leather, from automotive industry to technical applications.

LOGISTICS AND WAREHOUSING

As an internationally leading producer of high-quality sewing and embroidery threads, shipping and warehousing are a part of AMANN's daily business. Just-in-time-delivery, flexibility in meeting customer requirements and efficient logistics management – this is what AMANN stands for.

AMANN SEWING TECHNOLOGY CENTER

Excellent technical sewing and embroidery consulting is one of AMANN's big strengths. For this purpose, AMANN has created a state-of-the-art sewing-technical lab with its new Sewing Technology Center (STC).

Among others, the services of the AMANN Sewing Technology Center comprise the following:

- Technical sewing and embroidery consulting worldwide
- Individual customer workshops, technical seminars and lectures
- Sewing tests and analyses
- Calculation of sewing thread requirement and recommendations for increase in productivity
- Technical elaborations for specific topics
- Processing tests

The AMANN STC team has decades-long, application-oriented know-how and enables customers to receive the best possible consulting and support.

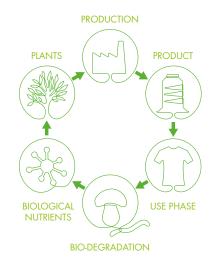


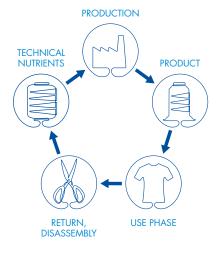
LIFECYCLE OR RECYCLED. AMANN'S SUSTAINABLE SEWING AND EMBROIDERY THREADS

AMANN develops its products in a targeted manner in order to make them not only more sustainable, but also more environmentally friendly through the use of selected recycled and natural materials. Our sustainable product range consists of two product lines: the Cradle to Cradle Certified® Gold Lifecycle line and the GRS-certified Recycled line. The finish of our sewing threads is also systematically optimised. For example, in the production of water-repellent sewing threads, we have replaced environmentally harmful perfluorocarbons (PFCs) with environmentally compatible alternatives. Our eco-friendly WRe finish is available for Serafil WRe, Onyx WRe and Saba WRe. As a globally operating company, we also focus on sustainable, fair and safe production processes worldwide.

LIFECYCLE LINE

Cradle to Cradle®, stands for a consistent, continuous recycling management, where no waste is generated, as the Cradle to Cradle® products are either used as biological nutrients in biological cycles, or they are continuously kept in technical cycles as technical nutrients. With our Lifecycle line, we can offer Cradle to Cradle Certified® Gold sewing threads for both cycles: Lifecycle Cotton for the biological cycle and Lifecycle Polyamide for the technical cycle.









RECYCLED LINE

Our high-quality sewing and embroidery threads from the Recycled line are made from 100% recycled, transparent PET bottles and are certified according to the Global Recycled Standard (GRS). They have the same quality features as our excellent range products, for instance in terms of breaking strength, abrasion resistance and sewability.



100% GRS recycled polyester, certified by CU 1148893

LIFECYCL2 Cotton

COTTON SPUN, MERCERISED, 100% ORGANIC

- Cradle to Cradle Certified® Gold
- made from extra long-staple mercerised organic cotton
- specially developed for the biological cycle
- only dyed with compostable dyestuffs
- optimal dyeing properties if using as a garment dyeing thread
- ideal choice for manufacturing sustainable products

Ticket no.	Tex no.	Needl Nm	e size No.	Make-up	No. of colours
18	105	120-130	19-21	2.500 m Co	on request
24	80	110-130	18-21	5.000 m Co	on request
30	60	100-120	16-19	5.000 m Co	on request
40	40	80-100	12-16	5.000 m Co	on request
50	35	75-80	11-12	5.000 m Co	on request
60	30	70-80	10-12	5.000 m Co	on request
				20.000 m Co	on request



Main application:



- ladieswear, menswear
- garment dyeing







LIFE**CYCL**Polyamide

POLYAMIDE 6 CONTINUOUS FILAMENT, 100% RECYCLED

- Cradle to Cradle Certified® Gold
- the first recycled polyamide sewing thread
- mostly made from recycled fishing nets and textile waste
- specially developed for technical cycles
- robust, abrasion-resistant, durable
- excellent strength and colour fastness properties
- the ideal choice for manufacturing sustainable products

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.	B 4	11/28/2019
40	70	110-130	18-21	1.200 m FS	on request
60	45	100-120	16-19	1.800 m FS	on request
				6.000 m FS	on request
120	24	70-80	10-12	4.000 m FS	on request

FS/KS =

Main application:



- ladieswear, menswear
- sportswear & outdoor
- underwear & lingerie

workwear









POLYESTER/POLYESTER CORE SPUN, 100% RECYCLED

- AMANN's sustainable thread made from 100% recycled PET bottles
- GRS certified
- pure sustainability combined with outstanding sewing performance
- ideal abrasion resistance and strength properties
- textile appearance
- the ideal choice for manufacturing sustainable products

Ticket no.	Tex no.	Needle Nm	e size No.	Make-up	No. of colours
30	105	110-130	18-21	3.000 m Co	535
35	80	100-120	16-19	5.000 m Co	75
50	60	90-110	14-18	2.500 m Co	535
80	40	90-100	14-16	5.000 m Co	535
120	24	70-80	10-12	5.000 m Co	535



Main application:



- ladieswear, menswear
- sportswear & outdoor
- underwear & lingerie
- workwear
- leatherwear
- denim











POLYESTER STAPLE SPUN, 100% RECYCLED

- AMANN's economic thread made from 100% recycled PET bottles
- GRS certified
- pure sustainability combined with good sewing performance
- textile appearance
- the ideal choice for manufacturing sustainable products

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
476		Nm	No.		
110	27	65-90	9-14	5,000 m Co	on request
120	27	70-90	10-14	5,000 m Co	on request







- ladieswear, menswear
- underwear & lingerie
- leatherwear
- sportswear & outdoor
- workwear
- denim











POLYESTER CONTINUOUS FILA-MENT, TEXTURISED, 100% RECYCLED

- AMANN's sustainable bulk yarn made from 100% recycled PET bottles
- GRS certified
- pure sustainability combined with very good sewing performance
- soft, voluminous, skin-friendly
- for all serging and coverstitch seams
- for optimal edge covering
- the ideal choice for manufacturing sustainable products

Ticket no.	Tex no.	Needl Nm	e size No.	Make-up	No. of colours
100	35			5.000 m Co 10.000 m FS	on request
120	18	80-90	12-14	10.000 m Co	535









- ladieswear, menswear
- sportswear & outdoor
- underwear & lingerie
- workwear







POLYESTER CONTINUOUS FILAMENT, 100% RECYCLED

- AMANN's sustainable thread made from 100% recycled PET bottles
- GRS certified
- pure sustainability combined with outstanding sewing performance
- high seam strength
- shiny appearance
- the ideal choice for manufacturing sustainable products

Ticket no.	Tex no.	Needl Nm	e size No.	Make-up	No. of colours
20	135	120-140	19-22	600 m FS	240
				2.500 m FS	240
30 90	90	100-130	16-21	900 m FS	240
		83333		4.000 m FS	240
40	70	90-120	14-19	1.200 m FS	240
				5.000 m FS	240
60	45	80-100	12-16	1.800 m FS	240
				5.000 m FS	on request
80	30	70-90	10-14	2.400 m FS	240
				10.000 m FS	on request

FS/KS =

Main application:



- shoes
- bags
- suitcases
- belts and small leather goods











POLYESTER CONTINUOUS FILAMENT

- for all fine materials: AMANN's sustainable thread made from 100% recycled PET bottles
- delicate, silk-like, adaptive, semi-transparent
- GRS certified
- for high-quality overedging not showing through
- for all felling and blindstitching work
- for embroidering monograms and fine details
- the ideal choice for manufacturing sustainable products
- ideal for processing down

Ticket no.	Tex no.	Need Nm	lle size No.	Make-up	No. of colours
150	21	65-70	9-10	5.000 m FS	100
180	16	65-70	9-10	5.000 m FS	100

FS/KS =

Main application:



- ladieswear, menswear
- sportswear & outdoor
- underwear & lingerie











sabawre

POLYESTER/POLYESTER CORE SPUN, WATER-REPELLENT, PFC-FREE

- WRe = water-repellent and ecofriendly
- free from harmful chemicals
- AMANN's allrounder
- for water-repellent closing and topstitch seams
- high-performing, outstanding sewing behaviour
- ideal abrasion resistance and strength properties
- textile appearance
- for water-repellent matt embroidery

Ticket no.	Tex no.			Make-up	No. of colours
		Nm	No.	/// //指用图器德国信	
25	120	130-160	21-23	5.000 m Co	on request
30	105	110-130	18-21	3.000 m Co	on request
35	80	100-120	16-19	5.000 m Co	on request
50	60	90-110	14-18	2.500 m Co	on request
				5.000 m Co	on request
80	40	90-100	14-16	5.000 m Co	on request
100	30	80-90	12-14	5.000 m Co	on request
120	24	70-80	10-12	5.000 m Co	on request
150	21	60-70	8-10	5.000 m Co	on request



Colours can be darker with WRe finish.

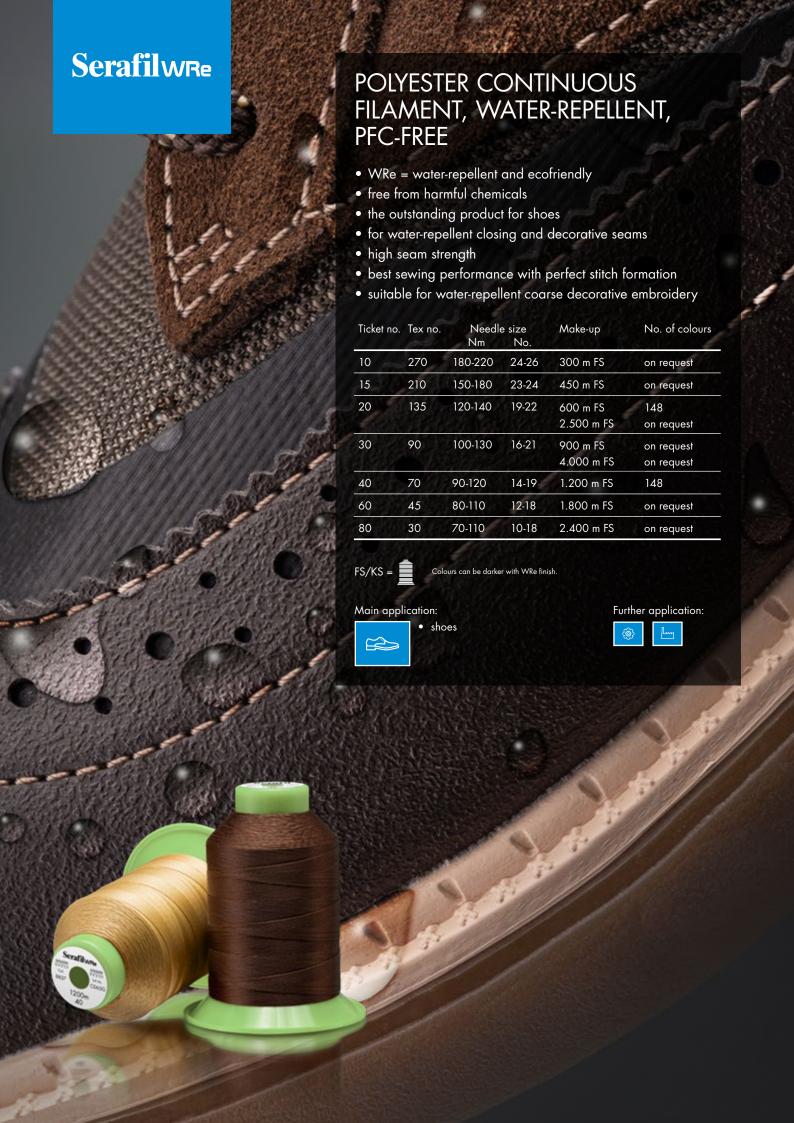
Main application:



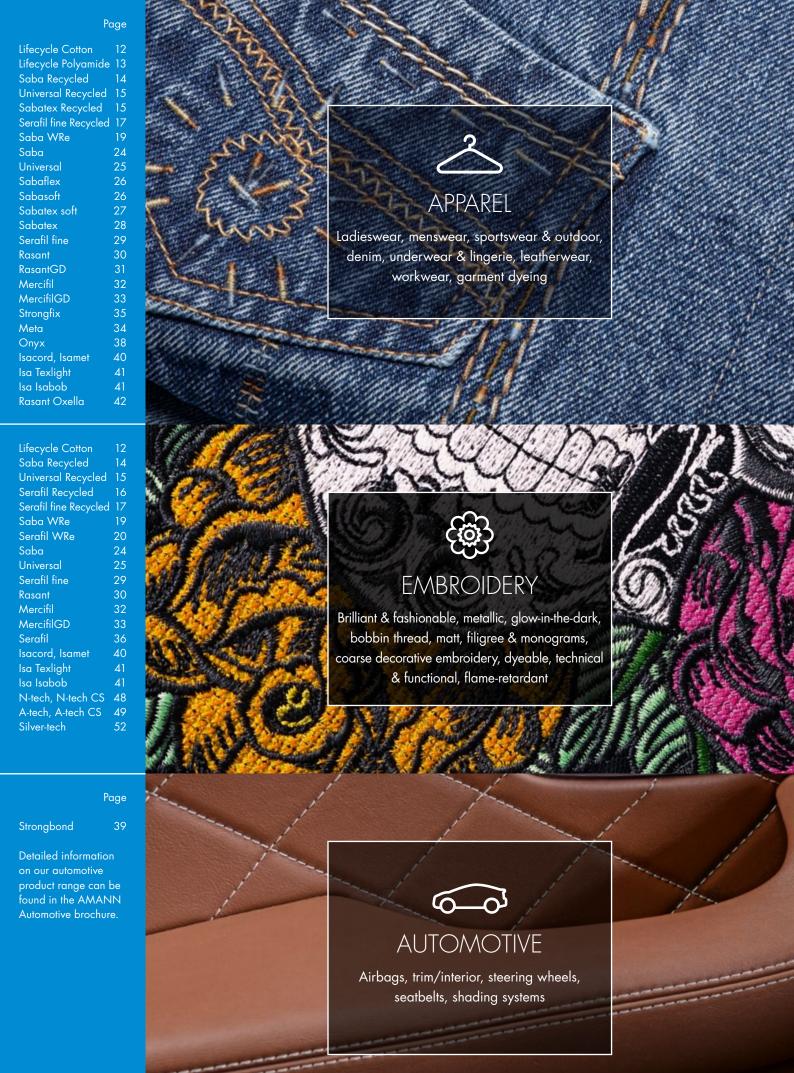
- ladieswear, menswear
- leatherwear
- sportswear & outdoor
- workwear

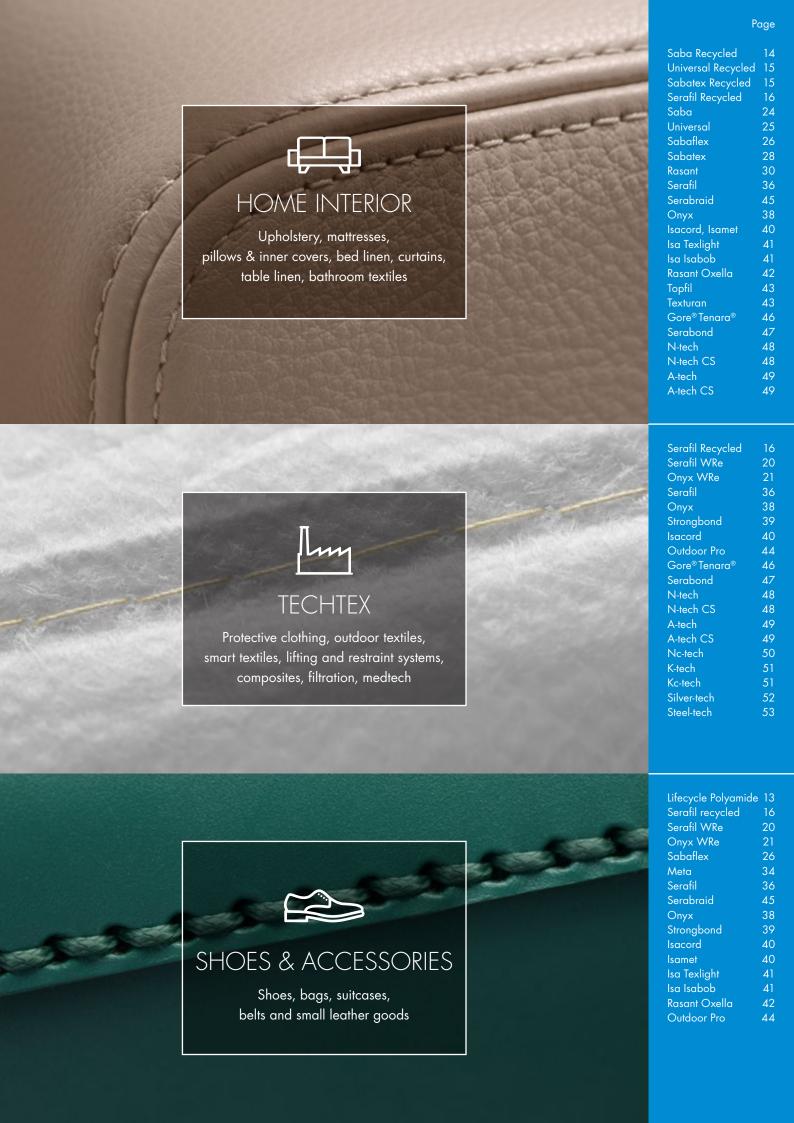














POLYESTER/POLYESTER CORE SPUN

- AMANN's all-rounder
- high-performing, outstanding sewing behaviour
- ideal abrasion resistance and strength properties
- great in tickets and colours
- textile appearance
- for closing and topstitch seams
- for matt embroidery

Ticket no.	Tex no.	Needl Nm	e size No.	Make-up	No. of colours
8	400	210-250	26-27	800 m Co	30
12	260	160-180	23-24	1.100 m Co	75
18	200	140-160	22-23	1.400 m Co	75
30	105	110-130	18-21	10x300 m XW	535
	科特		BBB	3.000 m Co	on request
35	80	100-120	16-19	5.000 m Co	75
50	60	90-110	14-18	10x500 m XW	535
				2.500 m Co	535
80	40	90-100	14-16	10x1.000 m XW	535
	中中华			5.000 m Co	535
100	30	80-90	12-14	10x1.000 m XW	535
		444		5.000 m Co	535
120	24	70-80	10-12	10x1.000 m XW	535
1344	देशम्	HE 154	4354	5.000 m Co	535
150	21	60-70	8-10	10x1.000 m XW	535
4344	EAGL			5.000 m Co	535
		The state of the s			THE THE PARTY OF T

Find our new sustainable Saba Recycled on page 14 and our water-repellent, PFC-free Saba WRe on page 20!



Main application:



- ladieswear, menswear
- sportswear & outdoor
- underwear & lingerie
- workwear
- leatherwear
- denim







POLYESTER STAPLE SPUN

- the economic sewing thread for general sewing needs
- excellent sewing properties
- great in tickets and colours
- textile appearance
- for closing and topstitch seams
- for matt embroidery

Ticket no.	Tex no.	Needle Nm	e size No.	Make-up	No. of colours
10	270	160-200	23-25	1,000 m Co	535
20	150	140-160	22-23	2,000 m Co	535
24	120	130-160	21-23	2,000 m Co	535
25	105	130-160	21-23	2,000 m Co	535
30	80	110-150	18-23	2,500 m Co	535
50	60	100-130	16-21	3,000 m Co	535
60	60	100-130	16-21	3,000 m Co	535
75	40	90-120	14-19	5,000 m Co	535
110	27	65-90	9-14	5,000 m Co	535
120	27	70-90	10-14	5,000 m Co	535
150	21	65-90	9-14	5,000 m Co	535
180	18	60-80	8-12	5,000 m Co	535

Find our new sustainable Universal Recycled on page 15!



Main application:

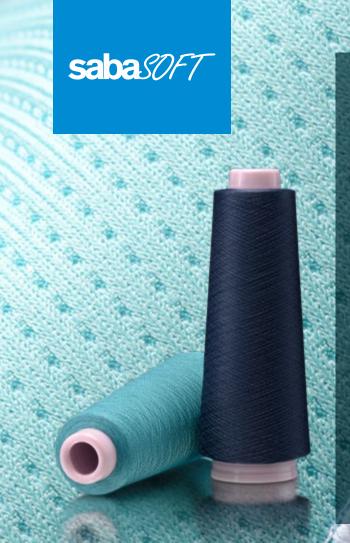


- ladieswear, menswear
- sportswear & outdoor
- underwear & lingerie
- workwear
- leatherwear
- denim









POLYESTER CONTINUOUS MICROFILAMENT, TEXTURISED

- Soft. Softer. Sabasoft
- the soft sewing thread for lingerie, activewear, fitnesswear and bikewear
- combines productivity and softness for the first time
- usable as needle and looper thread
- super fine, extra soft microfilament
- resistant against yellowing and abrasion

Ticket no.	Tex no.	Nee Nm	dle size No.	Make-up	No. of colours
120	18	70-80	10-12	5.000 m Co 10.000 m Co 30.000 m Co	240 on request on request



Main application:



- sportswear & outdoor
- underwear & lingerie

sabaFLEX



- stretch it. The multi-talent for all elastic materials
- provides a stretch reserve for all seams
- with Sabaflex, all seams become highly elastic
- highest elongation and best sewability
- made with 37% biopolymers from renewable resources

Ticket no.	Tex no.	Needl Nm	e size No.	Make-up	No. of colours
30	105	120-140	19-22	900 m FS	160
50	70	110-130	18-21	1.200 m FS	160
80	60	80-100	12-16	2.000 m FS	160
120	27	70-80	10-12	1.500 m FS	160

FS/KS =

Main application:



- ladieswear, menswear
- sportswear & outdoor
- underwear & lingerie
- workwear







POLYESTER CONTINUOUS MICROFILAMENT, TEXTURISED

- the extra soft bulk thread made from super fine microfilament
- for soft seams on lingerie, activewear, bikewear and fitnesswear
- perfect in combination with Sabasoft
- for all serging and coverstitch seams

Ticket no.	Tex no.	Needl Nm	e size No.	Make-up	No. of colours
120	18	70-80	10-12	5.000 m Co 10.000 m Co 30.000 m Co	240 on request on request



Main application:



- sportswear & outdoor
- underwear & lingerie



sabatex

POLYESTER CONTINUOUS FILAMENT, TEXTURISED

- the perfect bulk yarn
- soft, voluminous, skin-friendly
- for all serging and coverstitch seams
- for optimal edge covering

Ticket no.	Tex no.	Needle Nm	e size No.	Make-up	No. of colours
100	35	90-110	14-18	5.000 m Co 10.000 m FS	171 171
120	18	80-90	12-14	10.000 m Co 30.000 m Co	535 on request
250	11	<i>7</i> 0-80	10-12	5.000 m Co 10.000 m Co 30.000 m Co	171 171 on request

Find our new sustainable Sabatex Recycled on page 16!



Main application:



- ladieswear, menswear
- sportswear & outdoor
- underwear & lingerie
- workwear







POLYESTER CONTINUOUS FILAMENT

- the ideal sewing and embroidery thread for all fine materials
- delicate, silk-like, adaptive, semi-transparent
- for high-quality overedging not showing through
- for all felling and blindstitching work
- ideal for processing down
- for embroidering monograms and fine details

Ticket no.	Tex no.	Needle Nm	e size No.	Make-up	No. of colours
120	24	70-80	10-12	4.000 m FS 15.000 m FS	100 on request
150	21	65-70	9-10	5.000 m FS	on request
180	16	65-70	9-10	5.000 m FS 20.000 m FS	100 on request
300	10	60-65	8-9	5.000 m FS 20.000 m FS	100 on request
420	7	50-65	5-9	10.000 m FS	100

Find our new sustainable Serafil fine Recycled on page 18!

FS/KS =

Main application:



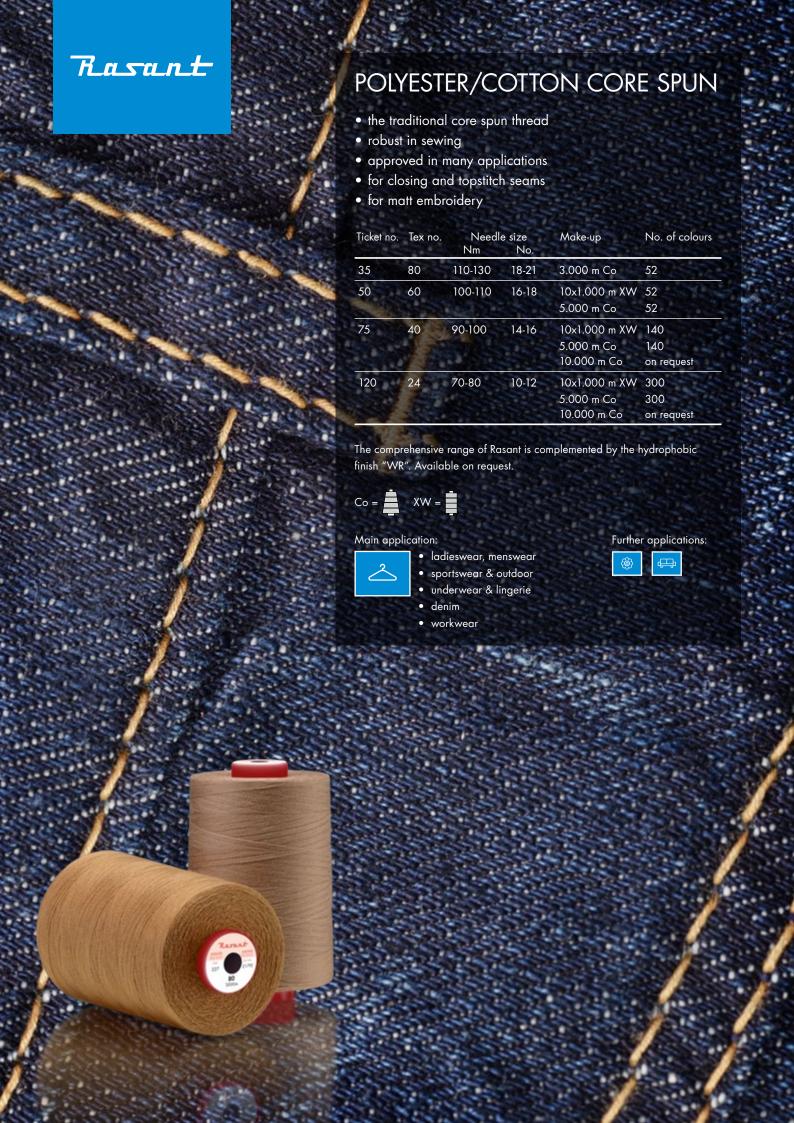
- ladieswear, menswear
- sportswear & outdoor
- underwear & lingerie











POLYESTER/COTTON CORE SPUN

- core spun thread made from 40% polyester and 60% cotton
- optimised dyeing properties due to the high cotton part
- the ideal addition to MercifilGD, recommended to be used in combination
- increased seam strength and seam elongation due to the polyester part compared to 100% cotton threads
- robust in sewing

Ticket no.	Tex no.	Needl Nm	e size No.	Make-up	No. of colours
30	105	120-140	19-22	2.500 m Co	3
50	60	100-110	16-18	5.000 m Co	3
75	40	90-100	14-16	5.000 m Co	3
100	30	80-90	12-14	5.000 m Co	3

Co =

Explanation of colour no.:

LTO0 = Light with raw polyester core, recommended for light dyeing, depending on the type of treatment, it is also possible to use it all-purpose; DK01 = Medium with pre-dyed polyester core, recommended for medium dyeing; DK02 = Dark with pre-dyed polyester core, recommended for dark dyeing;

Please consider:
Only the cotton part is dyed during the dyeing process. The polyester core remains undyed.

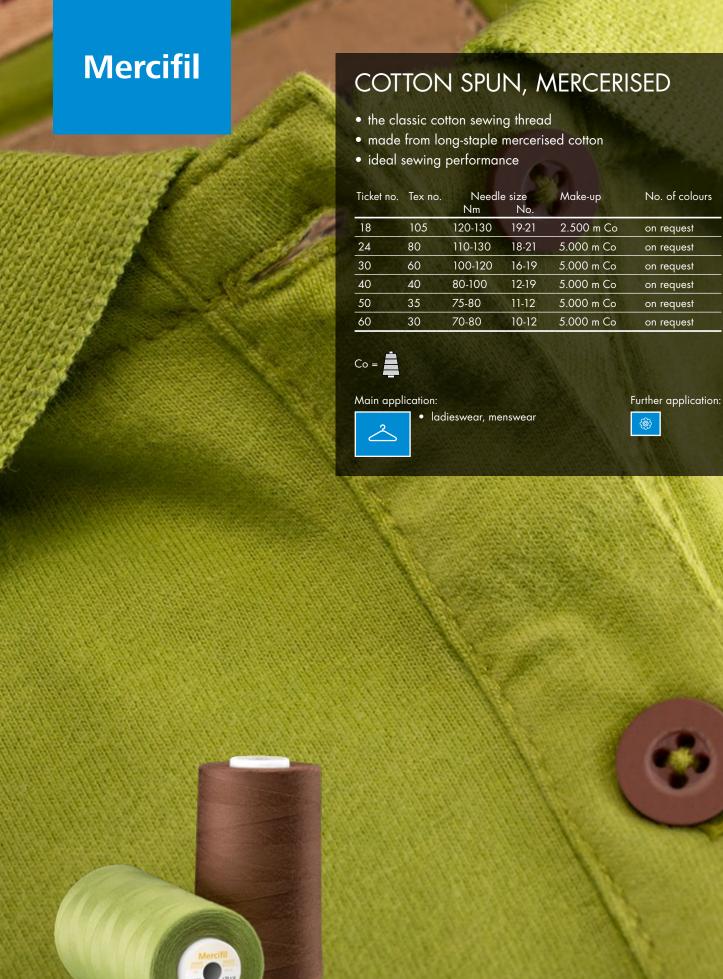
Main application:

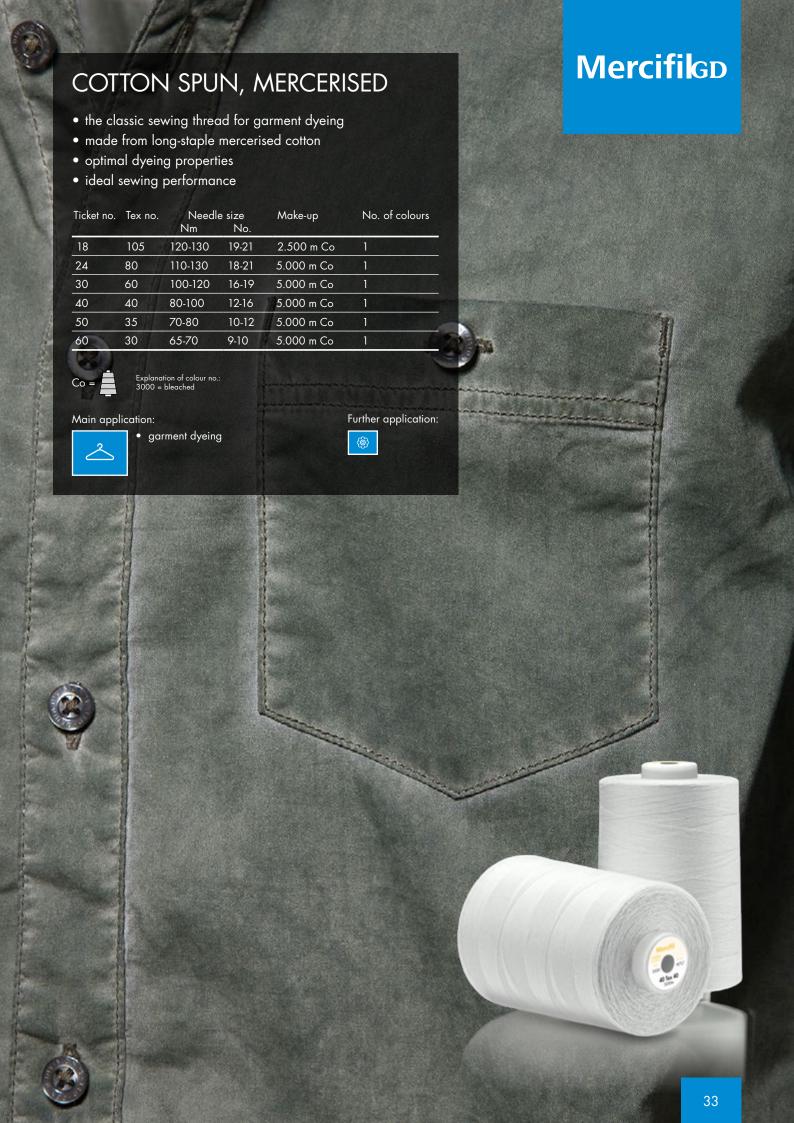


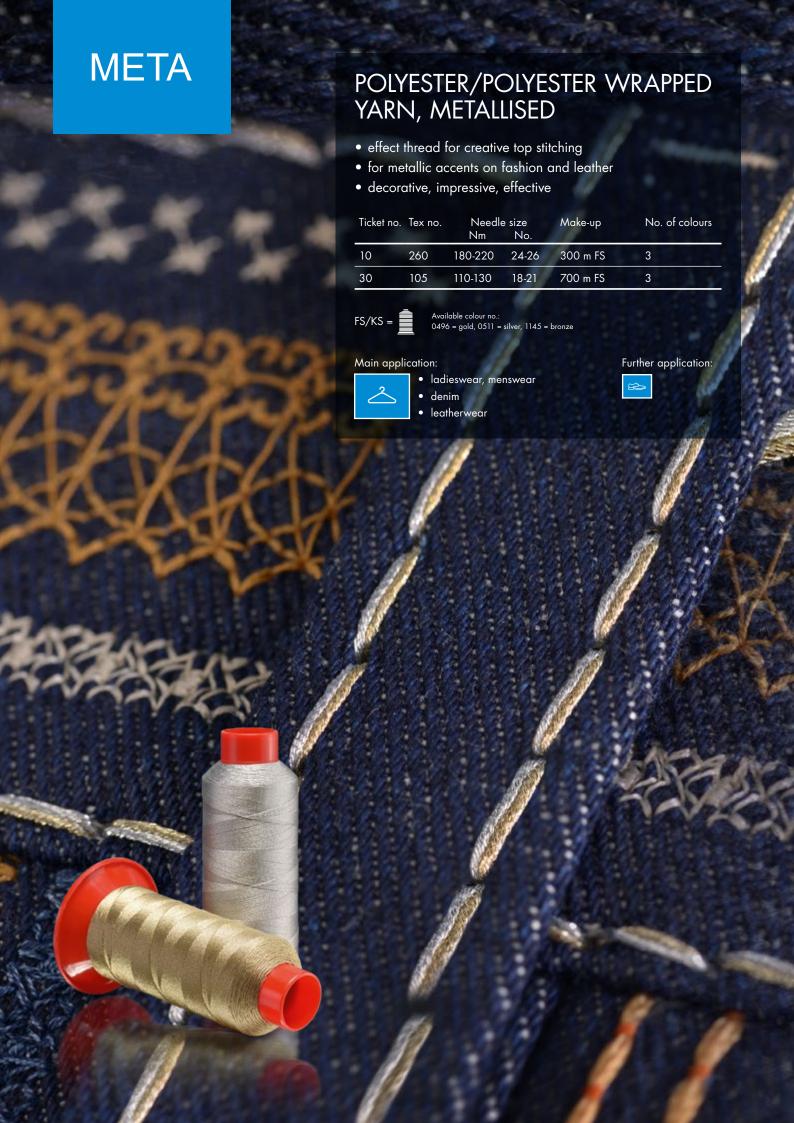
garment dyeing













- melting thread for the supplemental security of blindstitch hems on trousers and skirts
- suitable as additional thread or as looper thread in the overlock seam of the hem, in addition to the blindstitch

Ticket no.	Tex no.	Needle Nm	size No.	Make-up	No. of colours	
30	110	-	_	850 m FS	2	



Available colour no.: 2001 = white, 0348 = black-grey

Main application:



• ladieswear, menswear





POLYESTER CONTINUOUS FILAMENT

- the outstanding product for shoes and accessories
- for closing and decorative seams
- subtle sheen
- special finishing process
- high seam strength
- best sewing performance with perfect stitch formation
- suitable for coarse decorative embroidery

Ticket no.	Tex no.	Needle size Nm No.		Make-up	No. of colours
8	350	200-260	25-28	850 m FS	on request
10	270	180-220	24-26	300 m FS 1.000 m FS	148 148
15	210	150-180	23-24	450 m FS	148
20	135	120-140	19-22	600 m FS 2.500 m FS	240 240
30	90	100-130	16-21	900 m FS 4.000 m FS	240 240
40	70	90-120	14-19	1.200 m FS 5.000 m FS	240 240
60	45	80-110	12-18	1.800 m FS 5.000 m FS	240 on request
80	30	<i>7</i> 0-110	10-18	2.400 m FS 10.000 m FS	240 on request

Find our new sustainable Serafil Recycled on page 17 and our water-repellent, PFC-free Serafil WRe on page 21!

FS/KS =

Main application:



- shoes
- bags
- suitcases
- belts and small leather goods















POLYESTER CONTINUOUS FILAMENT, TRILOBAL

- universal machine embroidery thread for all brilliant and fashionable embroidery
- great in colour, great in function
- abrasion-resistant, robust, perfect embroidery properties
- excellent colour fastness
- classic on work & corporate wear
- extremely durable also for jeans and automotive

Ticket no.	Tex no.	Needle Nm	size No.	Make-up	No. of colours
40	27	65-90	9-14	10x1.000 m KS	390
				5.000 m KS	391

FS/KS =

Main application:



brilliant & fashionable











- the metallic embroidery thread
- classic thread in uniform and emblem embroidery
- brilliant accent for elegant clothes
- available in gold, silver and many other metallic colours

Ticket no.	Tex no.	Need Nm	lle size No.	Make-up	No. of colours
40	27	75-90	11-14	10x1.000 m FS 5.000 m FS	42 7
50	15	70-90	10-14	10x1.000 m FS	3

FS/KS =

Main application:



metallic

Further applications:









POLYESTER BOBBIN THREADS FOR EMBROIDERY

- bobbin thread range for machine embroidery
- Isa combines excellent thread running properties, high strength and large bobbin volumes
- Isabob provides outstanding unwinding properties, long running lengths and all benefits of prewound bobbin threads

Isa

Ticket no	. Tex no.	Need Nm	le size No.	Make-up	No. of colours
150	18	V-jill	100	10.000 m Co	2
180	16	COLLARS.	A LAN	20.000 m Co	2

Isabob

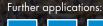
Ticket no.	Tex no.	Need Nm	le size No.	Make-up	No. of colours
190	17	231	120 1400	144 bobbins	2



Main application:

(

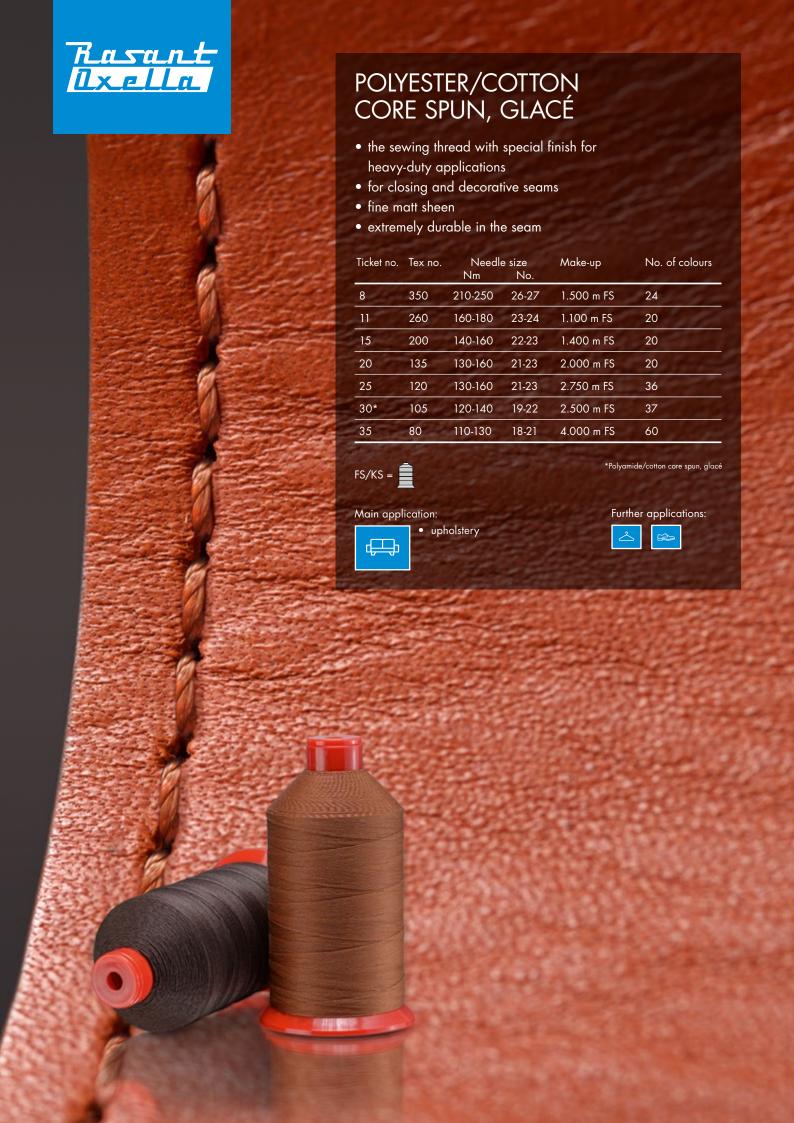
bobbin thread











POLYESTER CONTINUOUS FILAMENT

- functional sewing thread for mattress quilting
- optimal sewing properties

Ticket no.	Tex no.	Needle Nm	e size No.	Make-up	No. of colours
60	45	100-130	16-21	500 g FS 900 g FS	1
80	30	90-120	14-19	500 g FS 900 g FS	1

FS/KS =





- mattresses
- pillows and quilts

Topfil AMANN



POLYESTER CONTINUOUS FILAMENT, TEXTURISED

- developed to be used in combination with Topfil
- the functional underthread for mattress production

Ticket no.	Tex no.	Needle Nm	e size No.	Make-up	No. of colours
100	35	90-110	14-18	10.000 m FS 20.000 m FS	1
120	18	80-90	12-14	20.000 m FS	1

FS/KS =

Main application:

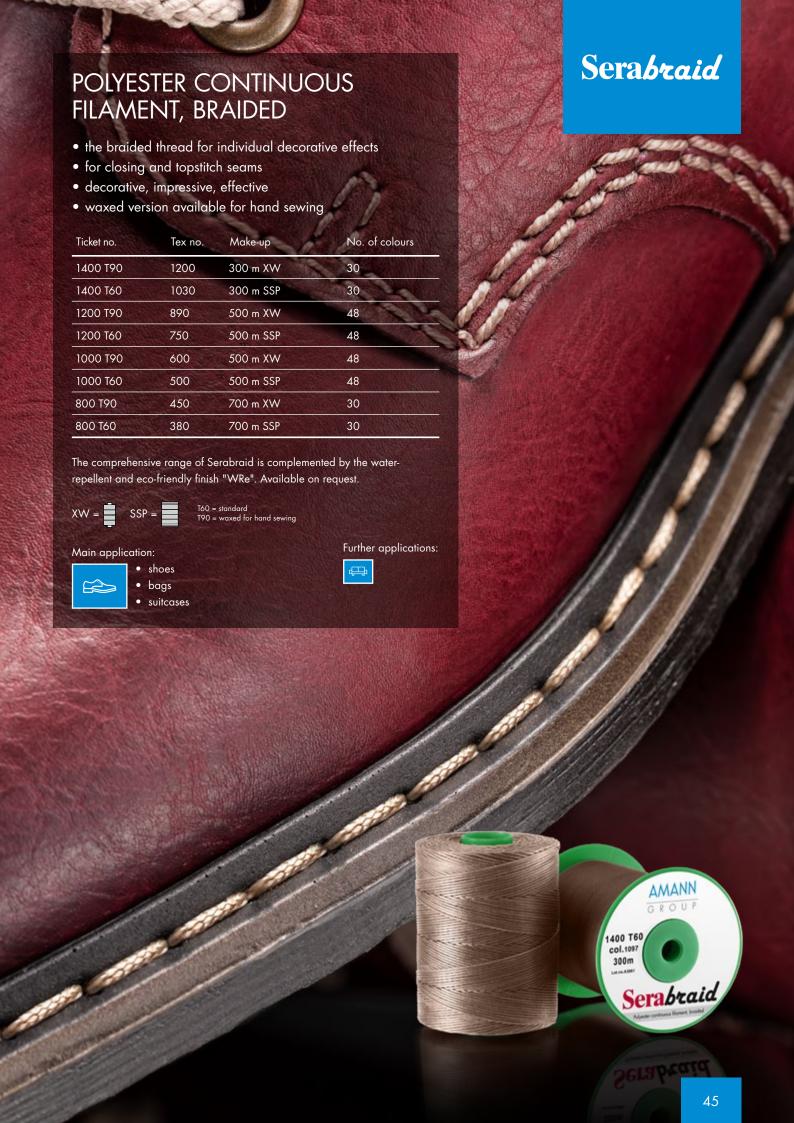


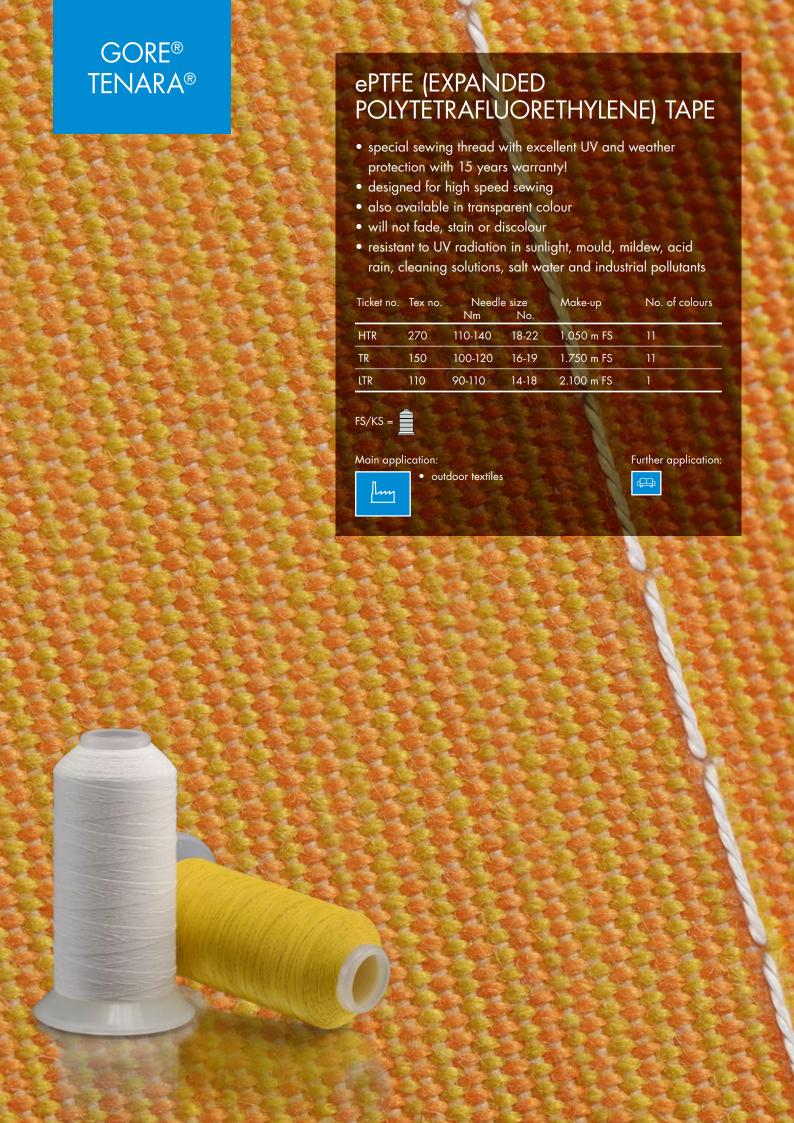
- mattresses
- pillows and quilts

TEXTURAN









POLYESTER CONTINUOUS FILAMENT, BONDED

- high-performance bonded special sewing thread for outdoor applications
- extremely durable
- resistant to untwisting and therefore suited for multidirectional sewing
- outstanding UV resistance due to special dyestuffs
- weathering test according to ISO 4892-1 and ISO 4892-2

Ticket no.	Tex no.	Needle Nm	e size No.	Make-up	No. of colours
6	500	240-260	27-28	1.700 m FS	1
9	350	210-240	26-27	1.700 m FS	12
10	270	190-220	25-26	1.400 m FS	2
12	240	180-200	24-25	1.800 m FS	12
15	210	170-190	24-25	2.400 m FS	12
18	150	150-170	23-24	2.600 m FS	12
20	135	130-150	21-23	1.600 m FS 3.200 m FS	34 on request
25	105	120-140	19-22	3.000 m FS	12
30	90	110-130	18-21	2.300 m FS	34
40	70	90-120	14-19	4.600 m FS	17
60	45	80-100	12-16	5.000 m FS	17

FS/KS =

Main application:



outdoor textiles

Further applications:







N-tech N-tech CS

NOMEX® DUPONTM META-ARAMIDE, SCHAPPE SPUN (N-TECH)

NOMEX® DUPONTM META-ARAMIDE, CUT STAPLE SPUN (N-TECH CS)

- high-performance meta-aramide special sewing and embroidery thread
- for flame-retardant and heat-protective applications
- self-extinguishing and non-melting
- permanent temperature resistance up to approx. 200°C
- decomposition temperature at approx. 370°C
- burning behaviour tested according to DIN EN ISO 15025

N-tech

Ticket no.	Tex no.	Needle Nm	e size No.	Make-up	No. of colours
40	75	100-120	16-19	3.000 m Co	14
70	40	80-100	12-16	10x1.000 m XW 5.000 m Co	21

N-tech CS

Ticket no.	Tex no.	Needle Nm	e size No.	Make-up	No. of colours
70	40	80-100	12-16	10×1.000 m XW	21
, 0	70	00 100	12 10	5.000 m Co	
120	25	70-90	10-14	5.000 m Co	21



Main application:



- protective clothing
- filtration

Further applications:









NEWSTAR® YANTAI META-ARAMIDE SCHAPPE SPUN (A-TECH)

NEWSTAR® YANTAI META-ARAMI-DE, CUT STAPLE SPUN (A-TECH CS)

- meta-aramide special sewing & embroidery thread for flame-retardant and heat-protective applications
- self-extinguishing and non-melting
- the powerful alternative to Nomex®
- permanent temperature resistance up to approx. 200°C
- decomposition temperature at approx. 370°C
- burning behaviour tested according to DIN EN ISO 15025

A-tech

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
70	40	80-100	12-16	1.000 m Co	21
				5.000 m Co	21

A-tech CS

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.	J. J. Parks	WALL OF
40	75	100-120	16-19	3.000 m Co	14
70	40	80-100	12-16	5.000 m Co	14

Co =

Main application:



protective clothingfiltration

Further applications:





A-tech CS





KEVLAR® DUPONT™ PARA-ARAMIDE, SCHAPPE SPUN

- para-aramide special sewing thread for applications with high requirements on cut, flame and heat protection
- permanent temperature resistance up to approx. 170°C
- decomposition temperature at approx. 425°C
- burning behaviour tested according to DIN EN ISO 15025

Ticket no. Tex no.	Needle size		Make-up	No. of colours	
	Nm	No.		Land Land	
35	80	120-140	19-22	3.000 m Co	
50	60	110-130	18-21	3.000 m Co	10000000000000000000000000000000000000
75	40	100-120	16-19	5.000 m Co	THE NOTE



Main application:



protective clothing

KEVLAR® DUPONT™ PARA-ARAMIDE CONTINUOUS FILAMENT, BONDED

- extremely high-performing para-aramide special sewing thread for technical textiles requiring cut and heat protection
- self-extinguishing and non-melting
- permanent temperature resistance up to approx. 170°C
- decomposition temperature at approx. 425°C
- burning behaviour tested according to DIN EN ISO 15025

Ticket no.	Tex no.	Needl Nm	e size No.	Make-up	No. of colours
22	135	130-150	21-23	ca. 500 g/	1 4 3
				3.000 m FS	The Latte



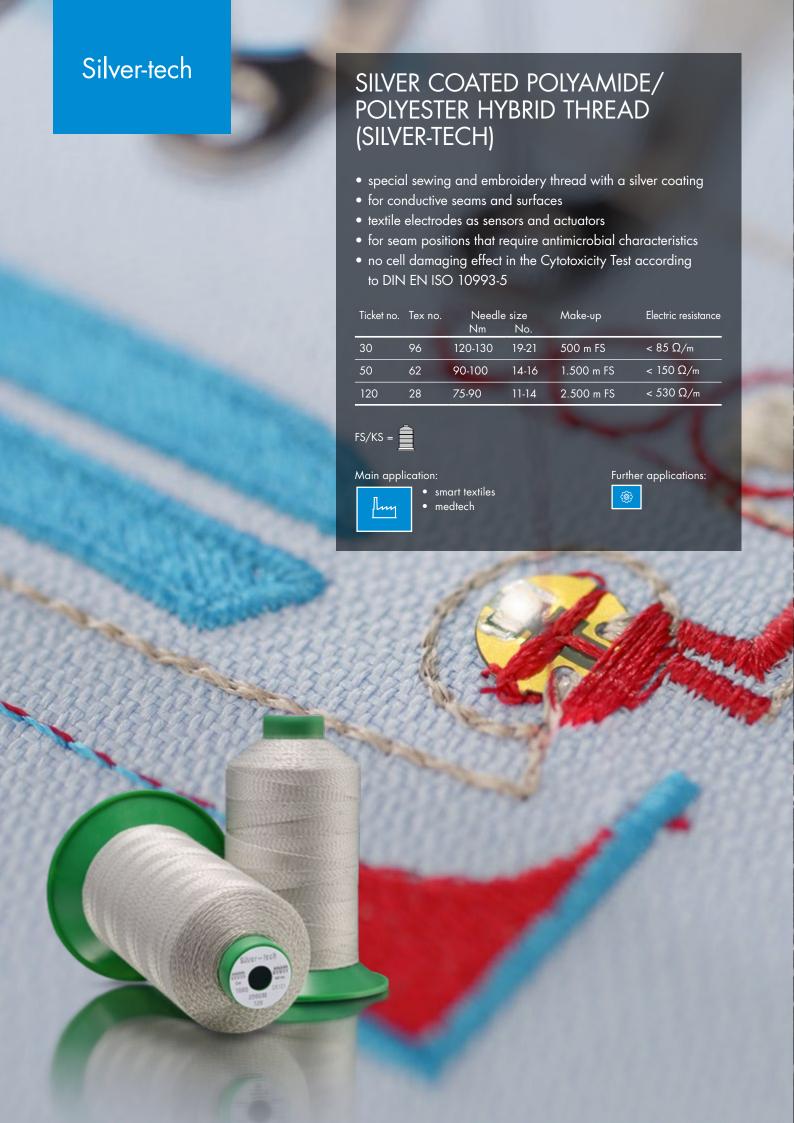
Main application:

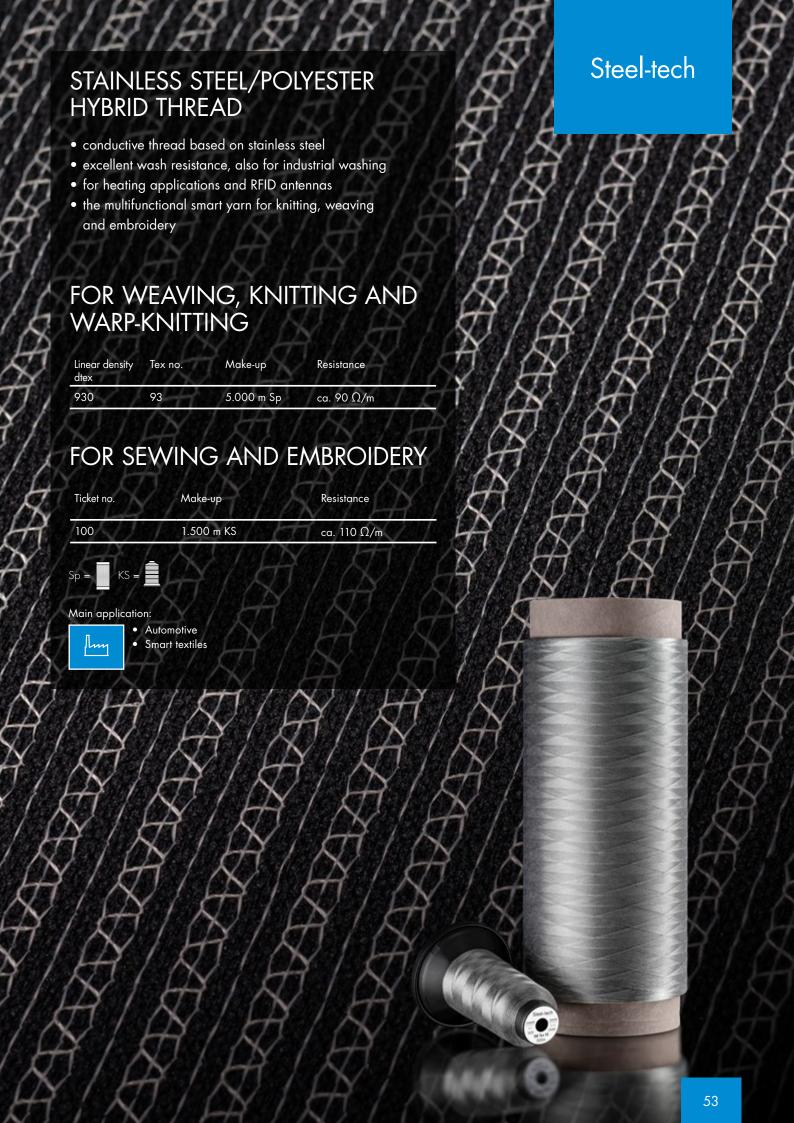


- protective clothing
- filtration
- composites

Kc-tech

K-tech







SPECIAL COLOURS

MULTICOLOURS

Multicolours create special colour accents. The following sewing and embroidery threads by AMANN are offered in multicolours: Saba, Serafil, Strongbond, Isacord.

NEON COLOURS

Whether they are used as a signal colour for hazardous situations or simply as an eyecatcher – neon colours attract attention and are an indispensable part of the fashion world. The following AMANN products are offered in neon colours: Saba, Sabasoft, Sabatex, Sabaflex, Serafil, Strongbond, Strongfil, Isacord, N-tech, N-tech CS.

SPECIAL FINISHINGS

WATER-REPELLENT

A water-repellent finish is a prerequisite for dry seams. All AMANN sewing threads with water-repellent finish are certified according to STANDARD 100 by OEKO-TEX® and do not contain any PFOA. The water-repellent finish is applicable to all AMANN sewing threads. AMANN's water-repellent finish is washable and does not affect the sewability in any negative way. AMANN's Road to Zero: The new WRe finish is even more eco-friendly, since it is completely free of PFC. Certainly, the new WRe finish is also washable and can be sewn easily.

The new WRe finish is available for the following AMANN products: Saba, Onyx, Serafil.

WAXED (T90)

Due to its special wax content, AMANN's T90 finish is especially suitable for handsewing, since the finish stabilises the stitch during stitch formation. T90 finish is available for the following products: Serabraid, Serafil.

FOR COMPOSITES (COMPHIL)

The Comphil finish, specially developed by AMANN for composites, offers optimised sewing performance without adhesion-inhibiting properties towards the composite matrix and is thus optimally synchronised with the further processes (for example resin infusion) and end use applications. On both sewing and embroidery threads, the Comphil finish is used for preform production processes (for example TFP embroidery method). As a standard, the Comphil finish is available for following products: Serafil, Serafil fine, Onyx. On request, also further products from the AMANN range can be equipped with the Comphil finish.

BONDED

This special treatment helps to avoid untwisting of smooth filament threads that are used for multidirectional sewing operations, for example on airbags or zig-zag seams on sails. AMANN offers the following bonded sewing threads: Oxcel, Outdoor-Pro, Serabond, Strongbond, Kc-tech, Xtreme-tech.





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Company headquarters

Amann & Söhne GmbH & Co. KG | Bönnigheim | Germany

Our management systems are certified according to:



Management System ISO 14001:2015 ISO 9001:2015 www.tuv.com ID 1104000462



Management System IATF 16949:2016

