

AMANN

GROUP

Intelligent threads

PRODUCT  
RANGE







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INNOVATION  
SINCE 1854

## 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 functional yarns and technical threads for tomorrow's market requirements.

More than 2.150 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.



### INTELLIGENT

Know, how seams must perform.

We utilise the know-how from various industries and combine knowledge and expertise for the development of intelligent, modern products.

### INDIVIDUAL

Understand, what customers need.

Our customers' wishes and demands serve as our standards. Individual solutions are our strength – in product and colour management, and in service and logistics.

### INNOVATIVE

Act, to stay ahead.

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.





## QUALITY THROUGH EXPERTISE

## RESPONSIBILITY

The acceptance of social and environmental responsibility is an essential part of AMANN Group's corporate philosophy. The main focus of this philosophy is responsible interaction with employees, vendors, customers and partners, and with the environment and its resources.

### SOCIAL

The charitable Hanns A. Pielenz Foundation was established by its eponym Hanns A. Pielenz in 2005. Through the transfer of his shares to the foundation, Hanns A. Pielenz ensured the continuation of the traditional family business and a long-term support of regional cultural and charitable institutions in the fields of arts and culture, science and research, and education.

### ENVIRONMENTAL

- sustainable production and dyeing processes and continuous reduction of the use of harmful substances
- similarly high safety, production and sustainability standards at all AMANN production plants worldwide and ongoing observation of the standards
- reduction of waste and promotion of recycling
- responsible utilisation of resources through water and energy management

## 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 of the sites Bönningheim and Augsburg in accordance with the DIN EN ISO 14001 environmental management system.

### ENERGY MANAGEMENT

The reasonable use of energy is an important factor in AMANN's sustainability program. The DIN EN ISO 50001 certification states that the production site at Augsburg has developed a sustainable energy management system and has a very high degree of energy efficiency and environmental compatibility.

### QUALITY COMMITMENT

The fulfilment of the process-oriented quality commitment for a safe production environment is proven by the certification of the offices Bönningheim, Augsburg, Brasov, Manchester and Yancheng under the strict DIN EN ISO/TS 16949 standards.

### PRODUCT CERTIFICATIONS

The compliance with REACH and certification under STANDARD 100 by OEKO-TEX® guarantee that AMANN's products are not harmful. Moreover, AMANN participates in Greenpeace Detox Campaign. Almost all products are even certified in accordance with the strict criteria of the OEKO-TEX® testing catalogue according to appendix 6. The AMANN products saba<sup>c</sup>, 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.





## SERVICE & CONSULTING

## 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 thread-processing 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).

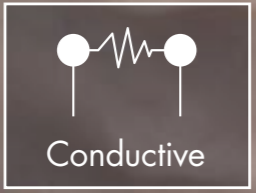
Among others, the services of the AMANN Sewing Technology Center comprise the following:

- 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.



# INNOVATION AMANN LAB



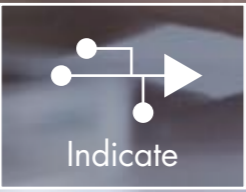
Conductive



Sensory



Composites



Indicate

## AMANN INNOVATION LAB

AMANN Innovation Lab is the innovation pool at AMANN. Our textile think-tank develops intelligent products, individual solutions and innovative concepts for textile issues, not only for sewing and embroidery threads but also for textile surfaces. The spectrum includes conductive threads and yarns, hybrid threads for composites, sensor yarns, threads with indicator function as well as a multitude of functional yarns and technical threads. The AMANN Innovation Lab develops different smart yarns that offer technical solutions for the following fields:



### CONDUCTIVE

The topic conductivity is becoming increasingly important for many industries. Due to its properties, a conductive smart yarn offers itself for a variety of different applications such as conductance of electricity or data transfer.



### SENSORY

Smart yarns with sensor technology transfer information and have a variety of different applications. These so-called sensor yarns are thread-like textile constructions that measure stress, humidity, etc.



### COMPOSITES

The COMPHIL finish, specially developed by AMANN for composites, offers optimised sewing performance without adhesion-inhibiting properties towards the composite matrix. Thus, it is optimally synchronised with the further processes (for example resin infusion) and end use applications.



### INDICATE

With certain applications, smart yarns with indicator can indicate measurable parameters, for example the pH level.

We will be glad to support you with your individual project – please contact us via [innovation-lab@amann.com](mailto:innovation-lab@amann.com)



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**APPAREL**

Ladieswear, menswear, childrenswear, sportswear & outdoor, underwear & homewear, workwear, leatherwear, denim, garment dyeing, textile accessories

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**HOME INTERIOR**

Upholstery, cushions, outdoor, mattresses, pillows & inner covers, quilts, bed linen, curtains, table linen, bathroom textiles

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**SHOES & LEATHER**

Shoes, bags, suitcases, belts, small leather goods

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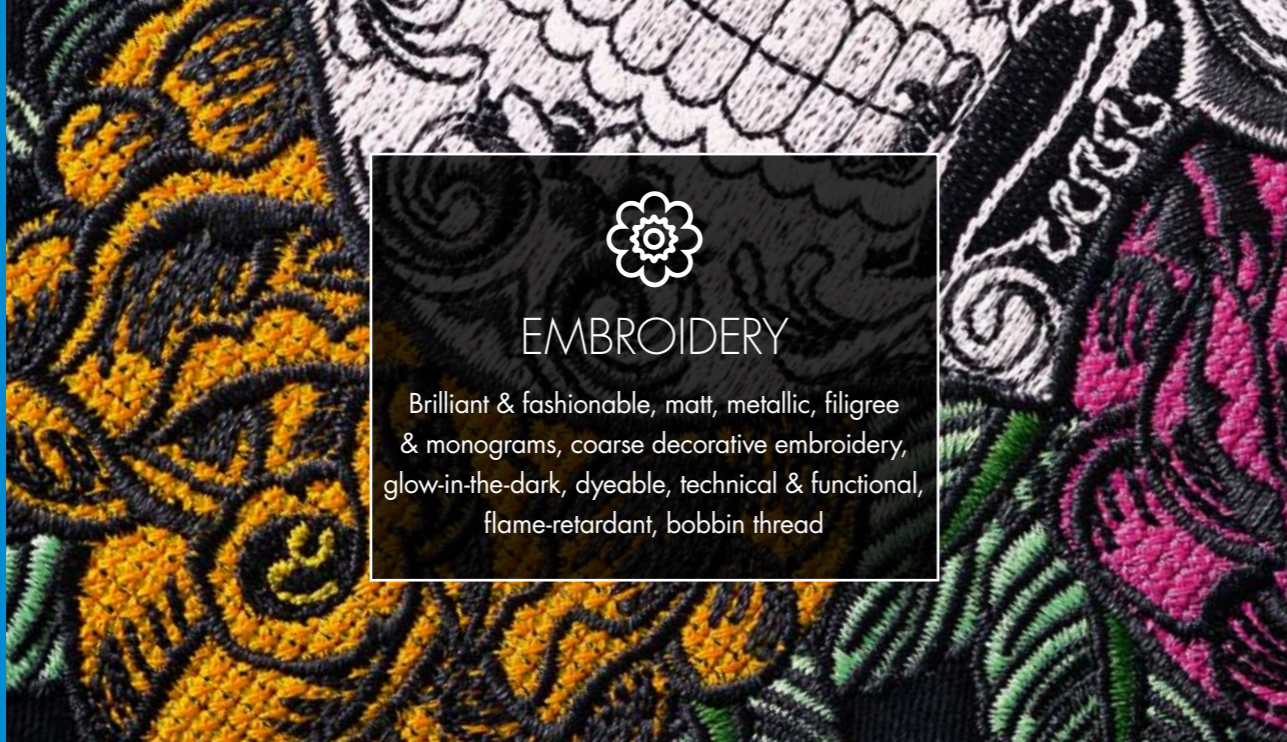




**AUTOMOTIVE**

Airbags, convertible soft tops, trim/interior, steering wheels, seatbelts

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**EMBROIDERY**

Brilliant & fashionable, matt, metallic, filigree & monograms, coarse decorative embroidery, glow-in-the-dark, dyeable, technical & functional, flame-retardant, bobbin thread

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**TECHTEX**

Protech, Indutech, Buildtech, Mobiltech, Agrotech, Medtech, Sporttech, Oekotech, Geotech, Packtech



## 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
- suitable for coarse decorative embroidery

Ticket no.	Tex no.	Needle size Nm	Needle 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 3.000 m Co	535 on request
35	80	100-120	16-19	5.000 m Co	75
50	60	90-110	14-18	10x1.000 m XW 2.500 m Co	535 535
80	40	90-100	14-16	10x1.000 m XW 5.000 m Co	535 535
100	30	80-90	12-14	10x1.000 m XW 5.000 m Co	535 535
120	24	70-80	10-12	10x1.000 m XW 5.000 m Co	535 535
150	21	60-70	8-10	10x1.000 m XW 5.000 m Co	535 535

The comprehensive range of saba<sup>c</sup> is topped off with the hydrophobic finish „WR“ which is one of the prerequisites for water-repellent seams. Available on request.

Co =  XW = 

Main application:



- ladieswear, menswear, childrenswear
- sportswear & outdoor
- underwear & homewear
- denim
- leatherwear
- workwear
- textile accessories

Further applications:



## 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 size Nm	Needle 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	70-80	10-12	5.000 m Co 10.000 m Co 30.000 m Co	171 171 on request

Co =  FS/KS = 

Main application:



- ladieswear, menswear, childrenswear
- sportswear & outdoor
- underwear & homewear
- workwear
- textile accessories

Further applications:






## PTT (POLYTRIMETHYLENE TEREPHTHALATE) CONTINUOUS FILAMENT

- stretch it. The multi-talent for all elastic materials
- provides a stretch reserve for all seams
- with sabaFLEX, the lockstitch becomes highly elastic
- for closing and decorative seams
- highest elongation and best sewability
- made from Sorona®, containing 20-37% renewable material

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
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, childrenswear
- sportswear & outdoor
- underwear & homewear
- workwear
- textile accessories


Further applications:



## 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
- extraordinary soft microfilament, resistant against yellowing and abrasion

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

Co = 

Main application:



- sportswear & outdoor
- underwear & homewear






## 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
- Serafil 120 for multineedle quilting and technical applications

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
120	24	70-80	10-12	4.000 m FS	100
				15.000 m FS	on request
180 (120/2)	16	65-70	9-10	5.000 m FS	100
				20.000 m FS	on request
300 (200/2)	10	60-65	8-9	5.000 m FS	100
				20.000 m FS	on request
420 (300/2)	7	50-65	5-9	10.000 m FS	100

FS/KS = 

Main application:



- ladieswear, menswear, childrenswear
- sportswear & outdoor
- underwear & homewear
- textile accessories

Further applications:



## POLYESTER/COTTON CORE SPUN

- the traditional core spun thread
- robust in sewing
- approved in many applications
- for closing and topstitch seams
- for matt embroidery

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
35	80	110-130	18-21	3.000 m Co	52
50	60	100-110	16-18	10x1.000 m XW	52
				5.000 m Co	52
75	40	90-100	14-16	10x1.000 m XW	140
				5.000 m Co	140
				10.000 m Co	on request
120	24	70-80	10-12	10x1.000 m XW	300
				5.000 m Co	300
				10.000 m Co	on request

The comprehensive range of Rasant is topped off with the hydrophobic finish „WR“ which is one of the prerequisites for water-repellent seams. Available on request.

Co =  XW = 

Main application:



- ladieswear, menswear, childrenswear
- sportswear & outdoor
- underwear & homewear
- denim
- workwear
- textile accessories

Further applications:






## VISCOSE/COTTON CORE SPUN

- the innovation for Garment Dyeing
- the first sewing thread that combines perfect dyeability with elasticity
- core spun thread made from approx. 70% high tenacity viscose continuous filaments and approx. 30% cotton
- suitable as needle and looper thread
- robust in sewing
- made from renewable raw materials

Ticket no.	Tex no.	Needle size Nm	Needle size No.	Make-up	No. of colours
20	150	140-160	22-23	1.500 m Co	1
30	105	120-140	19-22	2.500 m Co	1
50	60	110-130	18-21	5.000 m Co	1
75	40	100-120	16-19	5.000 m Co	1
100	30	80-90	12-14	5.000 m Co	1

Co = 

Main application:



- Garment Dyeing


Further application:



## COTTON SPUN, MERCERISED

- the classic sewing thread for Garment Dyeing
- made from long-staple mercerised cotton
- optimal dyeing properties
- specific signal colour prevents confusion

Ticket no.	Tex no.	Needle size Nm	Needle size No.	Make-up	No. of colours
10	180	140-160	22-23	1.000 m Co	2
12	105	120-130	19-21	2.500 m Co	2
24/2	70	110-130	18-21	5.000 m Co	2
40	50	80-100	12-16	5.000 m Co	2
50	40	70-80	10-12	5.000 m Co	2
60	30	65-70	9-10	5.000 m Co	2

Co = 

Explanation of colour no.:  
3000 = bleached  
6231 = signal colour (removable by washing)

Main application:



- Garment Dyeing


Further application:



## 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 PremiumGD and Mercifil, recommended to be used in combination
- increased seam strength due to the polyester part compared to 100% cotton threads
- robust in sewing

Ticket no.	Tex no.	Needle size Nm	Needle 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.:  
LT00 = 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






## POLYESTER/POLYESTER WRAPPED YARN, METALLISED

- effect thread for creative top stitching
- for metallic accents on fashion and leather
- decorative, impressive, effective

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
30	105	110-130	18-21	700 m FS	3

FS/KS =  Available colour no.:  
0496 = gold, 0611 = silver, 1145 = copper

Main application:



- ladieswear, menswear, childrenswear,
- denim
- textile accessories
- leatherwear

Further application:




## POLYESTER CONTINUOUS FILAMENT

- the outstanding product for shoes and leather
- 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		Make-up	No. of colours
		Nm	No.		
8	350	200-260	25-28	850 m FS	on request
10	270	180-220	24-26	300 m FS	148
				1.000 m FS	148
15	210	150-180	23-24	450 m FS	148
20	135	120-140	19-22	600 m FS	240
				2.500 m FS	240
30	90	100-130	16-21	900 m FS	240
				4.000 m FS	240
40	70	90-120	14-19	1.200 m FS	240
				5.000 m FS	240
60	45	80-110	12-18	1.800 m FS	240
				5.000 m FS	on request
80	30	70-110	10-18	2.400 m FS	240
				10.000 m FS	on request

The comprehensive range of Serafil is topped off with the hydrophobic finish „WR“ which is one of the prerequisites for water-repellent seams. Available on request.

FS/KS = 

Main application:



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


Further applications:



## POLYESTER/POLYAMIDE CONTINUOUS FILAMENT

- 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 size		Make-up	No. of colours
		Nm	No.		
30	110	-	-	850 m FS	2

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

Main application:



- ladieswear, menswear, childrenswear



## POLYESTER CONTINUOUS FILAMENT, BRAIDED

- the braided thread for individual decorative effects
- for closing and topstitch seams on leather
- decorative, impressive, effective
- waxed version available for hand sewing

Ticket no.	Tex no.	Make-up	No. of colours
800 T60	380	700 m SSP	30
800 T90	450	700 m XW	30
1000 T60	500	500 m SSP	48
1000 T90	600	500 m XW	48
1200 T60	750	500 m SSP	48
1200 T90	890	500 m XW	48
1400 T60	1030	300 m SSP	30
1400 T90	1200	300 m XW	30

The comprehensive range of Serabraid is topped off with the hydrophobic finish „WR“ which is one of the prerequisites for water-repellent seams. Available on request.

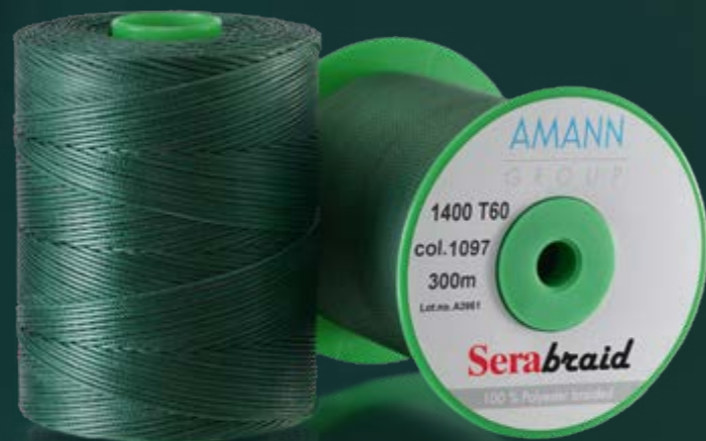
XW =  SSP =  T60 = standard  
T90 = waxed for hand sewing

Main application:



- shoes
- bags
- suitcases
- belts

Further applications:




## POLYAMIDE 6.6 CONTINUOUS FILAMENT

- the ultra-strong sewing thread for heavy-duty seams
- for closing and topstitch seams
- robust, abrasion resistant, durable
- excellent strength properties

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
10	270	200-230	25-26	1.500 m FS	29
13	210	180-200	24-25	1.500 m FS	29
20	135	140-160	22-23	2.000 m FS	71
30	105	130-150	21-23	2.500 m FS	86
40	70	110-130	18-21	2.000 m FS 4.000 m FS	86
60	45	90-110	14-18	6.000 m FS	71
80	35	80-100	12-16	8.000 m FS	29

The comprehensive range of ONYX is topped off with the hydrophobic finish „WR“ which is one of the prerequisites for water-repellent seams. Available on request.

FS/KS = 

Main application:



- shoes
- bags
- suitcases
- belts

Further applications:






# ISACORD

## 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

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
40	27	65-90	9-14	10x1.000 m KS	412
				5.000 m KS	391

FS/KS = 

Main application:

- brilliant & fashionable



Further applications:




# ISAMET

## POLYESTER/POLYAMIDE WRAPPED YARN

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

FS/KS = 

Main application:

- metallic



Further applications:




# ISA TEXLIGHT

## PBT (POLYBUTYLENE TEREPHTHALATE)/PP (POLYPROPYLENE), CONTINUOUS FILAMENT

- phosphorescent embroidery thread
- glows in the dark
- for special effects, for example on children's nightwear or clothes that are worn in bars or clubs

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
40	30	70-80	10-12	10x800 m KS	1

FS/KS = 

Main application:

- glow-in-the-dark



Further applications:



# ISA ISABOB

## 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.	Needle size		Make-up	No. of colours
		Nm	No.		
150	18	-	-	10.000 m Co	2
180	16	-	-	20.000 m Co	2

ISABOB

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
190	17	-	-	144 bobbins	2

Co = 

Main application:

- bobbin thread



Further applications:






## POLYESTER/COTTON CORE SPUN, GLACÉ

- the sewing thread with special finish for heavy-duty applications
- for closing and decorative seams
- fine matt sheen
- extremely durable in the seam

Ticket no.	Tex no.	Needle size Nm	Needle size No.	Make-up	No. of colours
11	260	160-180	23-24	1.100 m FS	20
15	200	140-160	22-23	1.400 m FS	20
20	135	130-160	21-23	2.000 m FS	20
25	120	130-160	21-23	2.750 m FS	36
30*	105	120-140	19-22	2.500 m FS	37
35	80	110-130	18-21	4.000 m FS	60

FS/KS = 

\*Polyamide/cotton core spun, glacé

Main application:



- upholstery


Further applications:



## POLYESTER CONTINUOUS FILAMENT

- functional sewing thread for mattress quilting
- optimal sewing properties

Ticket no.	Tex no.	Needle size Nm	Needle size No.	Make-up	No. of colours
60	45	100-130	16-21	500 g FS 1.000 g FS	1 1
80	30	90-120	14-19	500 g FS 1.000 g FS	1 1

FS/KS = 

Main application:




- mattresses
- quilts



## POLYESTER CONTINUOUS FILAMENT, TEXTURISED

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

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

FS/KS = 

Main application:



- mattresses
- quilts







## POLYAMIDE 6.6 CONTINUOUS FILAMENT

- the reliable sewing thread for automotive applications
- outstanding colour fastness due to special dyestuffs
- for closing and topstitch seams
- extremely durable, approved in many applications

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
11	270	200-230	25-26	1.000 m FS	on request
13	210	180-200	24-25	1.500 m FS	on request
20	135	140-160	22-23	1.000 m FS	on request
				2.000 m FS*	on request
				4.000 m FS	on request
30	90	130-150	21-23	5.000 m FS*	on request
				7.000 m FS*	on request
40	70	110-130	18-21	2.000 m FS	on request
				4.000 m FS*	on request
				8.000 m FS*	on request
				12.000 m FS*	on request
60	45	90-110	14-18	3.000 m FS	on request

\* STRONGFIL+  
the new generation of polyamide 6.6 in bigger make-ups

FS/KS =

Main application:



- trim/interior
- steering wheels
- seat belts

## POLYAMIDE 6.6 CONTINUOUS FILAMENT, BONDED

- the outstanding sewing thread for processing airbags
- superior sewing performance
- perfect on automates for multidirectional sewing
- high temperature resistance
- very high seam strength
- high abrasion resistance
- highest safety, reliability and protection

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
13	260	180-200	24-25	1.000 m FS	on request
				2.000 m FS	on request
20	175	140-160	22-23	3.000 m FS	on request
				4.500 m FS	on request
30	112	130-160	21-23	2.500 m FS	on request
				5.000 m FS	on request
40	85	110-130	18-21	3.500 m FS	on request
60	57	100-120	16-19	5.000 m FS	on request
80	39	90-110	14-18	9.000 m FS	on request

FS/KS =

Main application:




- airbags



## 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 size		Make-up	No. of colours
		Nm	No.		
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	16
60	45	80-100	12-16	5.000 m FS	16

FS/KS = 

Main application:



- Protech
- Buildtech
- Sporttech


Further applications:



## POLYAMIDE 6.6 CONTINUOUS FILAMENT, BONDED

- the robust bonded sewing thread
- for heavy-duty seams
- best sewing performance, also for multidirectional sewing

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
10	270	200-250	25-27	1.500 m FS	12
20	135	140-160	22-23	1.500 m FS	76
30	90	120-140	19-22	2.500 m FS	11
40	70	110-130	18-21	3.500 m FS	95
60	45	90-110	14-18	5.000 m FS	75
80	35	80-100	12-16	9.000 m FS	2

FS/KS = 

Main application:



- Protech
- Indutech
- Buildtech
- Mobiltech
- Agrotech
- Medtech
- Sporttech
- Oekotech
- Geotech
- Packtech

Further applications:






## ePTFE (EXPANDED POLYTETRAFLUORETHYLENE) TAPE

- special sewing thread with excellent UV and weather protection (15 years warranty)
- high tensile strength and abrasion resistance
- unaffected by chlorine bleach and cleaning solutions
- remains flexible even in extremes of temperature or frost
- resists mildew, rot and decay
- resistant against stains

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
TR	150	100-120	16-19	1.750 m FS	12
HTR	270	110-140	18-22	1.050 m FS	11
LTR	110	90-110	14-18	2.100 m FS	1

FS/KS = 

Main application:



- Agrotech
- Geotech
- Buildtech
- Mobiltech
- Oekotech
- Packtech

Further application:



## NOMEX® DUPONT™ META-ARAMIDE, SCHAPPE SPUN (N-TECH)

## NOMEX® DUPONT™ META-ARAMIDE, CUT STAPLE SPUN (N-TECH CS)

- high-performance Nomex® 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
- certification according to the strict safety requirements of UL

N-tech

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
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 size		Make-up	No. of colours
		Nm	No.		
70	40	80-100	12-16	10x1.000 m XW 5.000 m Co	21
80/2	25	70-90	10-14	5.000 m Co	21

Co =  XW = 

Main application:



- Protech: heat-protective clothing, protective gloves
- Indutech: hot-gas filtration, cable isolation
- Sporttech: racewear
- Mobiltech: airplane seats, aerospace

Further applications:






## A-tech CS

### NEWSTAR® YANTAI META-ARAMIDE, CUT STAPLE SPUN

- 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
- certification according to the strict safety requirements of UL

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
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:



- Protech: heat-protective clothing, protective gloves
- Indutech: hot-gas filtration
- Sporttech: racewear
- Mobiltech: airplane seats, aerospace


Further applications:



### KEVLAR® DUPONT™ PARA-ARAMIDE, SCHAPPE SPUN

- Kevlar® 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
- certification according to the strict safety requirements of UL

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
35	80	120-140	19-22	3.000 m Co	1
50	60	110-130	18-21	3.000 m Co	1
75	40	100-120	16-19	5.000 m Co	1

Co = 

Main application:



- Protech: heat-protective clothing, protective gloves, bullet-proof vests, lumbermen's trousers


## K-tech

## Nc-tech

### NOMEX® DUPONT™ META-ARAMIDE CONTINUOUS FILAMENT

- Nomex® special sewing thread for highest requirements in flame-retardant and heat-protective applications
- self-extinguishing, non-melting, robust and extremely durable
- permanent temperature resistance up to approx. 200°C
- decomposition temperature at approx. 370°C
- burning behaviour tested according to DIN EN ISO 15025

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
20	140	120-140	19-22	1.000 m FS	6
34	95	120-130	19-21	1.500 m FS	6
40	70	110-130	18-21	2.000 m FS	6
60	45	100-120	16-19	3.000 m FS	6

FS/KS = 

Main application:




- Protech: heat-protective clothing, protective gloves, heavy-duty safety shoes
- Sporttech: racewear
- Mobiltech: airplane seats

### KEVLAR® DUPONT™ PARA-ARAMIDE CONTINUOUS FILAMENT, BONDED

- extremely high-performing Kevlar® 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.	Needle size		Make-up	No. of colours
		Nm	No.		
22	135	130-150	21-23	ca. 500 g/ 3.000 m FS	1

FS/KS = 

Main application:



- Protech: protective clothing, safety shoes, bullet-proof vests
- Mobiltech: tyres
- Indutech: filters, composites

## Kc-tech






## C-tech

### POLYESTER CONTINUOUS FILAMENT/BELLTRON® B31

- special sewing thread with a carbon component for dispersion and decaying of electrical or static charges, for example protective clothing

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
80	35	80-100	12-16	4.000 m FS	1

FS/KS = 

Main application:



- Protech: clean room garments or safety clothing, for example in the fields of microelectronics or pharmacy




## I-tech

### POLYAMIDE/BEKINOX® POLYESTER-STAINLESS STEEL HYBRID THREAD

- special sewing thread with an inox component for dispersion and conduction of electrical or static charges

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
20	125	110-130	18-21	2.000 m FS	1

FS/KS = 

Main application:



- Protech: safety shoes
- Indutech: filters




## D-tech

### DOLANIT® DOLAN POLYACRYLIC, CUT STAPLE SPUN

- Dolanit® special sewing thread for filtration applications
- high resistance to bases and acids
- permanent temperature resistance up to approx. 125°C

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
30	105	110-130	18-21	3.000 m Co	1

Co = 

Main application:



- Indutech: filtration (dedusting)




## Silver-tech

### POLYESTER CONTINUOUS FILAMENT/SILVER COATED POLY-AMIDE CONTINUOUS FILAMENT

- special sewing and embroidery thread with a silver coating
- for conductive seams and surfaces
- for seam positions that require antimicrobial characteristics
- no cell damaging effect in the Cytotoxicity Test according to DIN EN ISO 10993-5

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
30	96	120	19	500 m FS	1
50	62	90-100	14-16	1.500 m FS	1
120	28	75-90	11-14	2.500 m FS	1

FS/KS = 

Main application:



- Indutech: smart textiles, sensors
- Medtech: hospital clothing, bed linen

Further application:






## PP-tech

### POLYPROPYLENE CONTINUOUS FILAMENT

- special sewing thread for the filter industry
- high resistance to chemicals

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
40	85	120-140	19-22	3.250 m FS	1

FS/KS = 

Main application:

- Indutech: filters for wet filtration, solid-liquid separation




## Zyex®

### PEEK (POLYETHERETHERKETONE) CONTINUOUS FILAMENT

- special sewing thread for the production of chemical-protective clothing
- excellent resistance to bases and acids
- extremely durable under mechanical wear
- permanent temperature resistance up to approx. 250°C
- melting point at approx. 330°C

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
24	125	120-140	19-22	3.000 m FS	1

FS/KS = 

Main application:

- Protech: chemical protective clothing
- Indutech: filters, solid-liquid separation, composites




## Xtreme-tech with Dyneema®

### DYNEEMA® BY DSM, HPPE (HIGH PERFORMANCE POLYETHYLENE) CONTINUOUS FILAMENT, BONDED

- high-tenacity special sewing thread made from Dyneema®
- maximum strength at minimum weight: 15 times stronger than steel
- high resistance to UV-light, chemicals and water
- extremely abrasion-resistant
- maximum strength can be reached in combination with fabric made from Dyneema®

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
20	150	160	23	1.500 m FS	7
40	65	110-130	18-21	3.000 m FS	7

FS/KS = 

Main application:

- Packtech: lifting and restraint systems, fishing nets
- Mobiltech: freight containers
- Sporttech: climbing gear, hang gliders
- Protech: safety shoes, safety gloves



### POLYESTER/COTTON CORE SPUN, INFRARED-ABSORBENT (IR)

- special sewing thread with an infrared-absorbent finish, for example for military and police clothing

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
35	80	110-130	18-21	3.000 m Co	1
75	40	90-100	14-16	10x1.000 m XW	1

Co =  XW = 

Main application:

- Protech: military and police clothing



## Rasant IR







COLOUR &  
FINISH

## SPECIAL COLOURS

### MULTICOLOURS

Multicolours create special colour accents. The following sewing and embroidery threads by AMANN are offered in multicolours: saba<sup>C</sup>, 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: Serafil, saba<sup>C</sup>, sabaSOFT, sabaFLEX, sabaTEX, STRONGBOND, ONYX, ISACORD, N-tech, N-tech CS.

### DENIM COLOURS THAT ARE REMOVABLE BY WASHING (“USED LOOK”)

Unique washing effects can be achieved by using “Used Look” colours. The specialty of this product: Due to the special colouring, the dyestuff of the thread washes off analogous to the upper fabric of the respective applied washing procedure. AMANN offers the following sewing and embroidery threads in “Used look” colours: Rasant.

## SPECIAL FINISHINGS

### WATER-REPELLENT

WR finish (WR = water-repellent) is a prerequisite for dry seams. All AMANN sewing threads with WR finish are certified according to STANDARD 100 by OEKO-TEX® and do not contain any PFOA. The WR finish is applicable to all AMANN sewing threads. AMANN's WR finish is washable and does not affect the sewability in any negative way.

As a standard, the WR finish is available for the following AMANN products: saba<sup>C</sup>, ONYX, Rasant, Serafil, Serabraid, sabaFLEX. On request, also further products from the AMANN range can be equipped with WR finish. AMANN's Road to Zero: The new WR<sub>e</sub> finish is even more eco-friendly, since it is completely free of PFC.

### 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).

### 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, Serabond, STRONGBOND, Kc-tech, Xtreme-tech.



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Our management systems are certified according to:

