INNOVATION IN TEXTILES

PRODUCT PORTFOLIO

CARL WEISKE

INNOVATION IN TEXTILES

JUST LEAN BACK.

CONTENTS

CARL WEISKE
INNOVATION IN TEXTILES

Carl Weiske Products.

Our **HIGHTEX** division stands for Carl Weiske products. It includes polymers, fibres and yarns of the highest quality, innovative new products as well as customised solutions.

Our continuous research and development, together with the use of future-oriented technologies, results in new innovative products and systems being developed.

To be able to provide consistent quality as well as ecological and social sustainability, we have a great responsibility for the products and the production process.

That is why each and every detail matters in the design and manufacture of our products. Using our HIGHTEX system, we optimise and ensure the specific Carl Weiske product and delivery quality.

HIGHTEX
BY CARL WEISKE

Engineering

Own development of:

- Product design
- Components
- Production process

Production

Planning & optimisation of production processes

- Guaranteed product quality
- REACH conformity
- Auditing according to VDA 6.3

Weiske Quality Programme

According to Total Quality Management (EFQM)

- Innovation
- Quality
- Thinktex service inclusive
- Sustainability
- Zero defect policy

Logistics Planning

To ensure delivery reliability

- Individualised logistics tools
- Production planning
- Production control
- Authorised economic operator

THINKING OUT OF THE BOX.

Inventive spirit
Unconventional ideas
A passion for innovation

SUSTAINABILITY - a topic that is very important to us. With our products we want to take responsibility, protect resources and develop sustainable technologies - to the benefit of mankind & nature.

This is the goal of our research.

With our **FLAMEX** technology, we offer you polyester fibres and polyester yarns of low flammability where a fire protection feature is incorporated directly in the fibre.

FLAMEX
BY CARL WEISKE

The **COOLPLUS** technology refers to cooling and moisture-transporting polyester yarns which drain perspiration off from the skin surface particularly fast – keeping your skin cool and dry for a longer period during sports activities.

Coolplus

Our **HIGHTEX** division, in addition to standard products with high quality requirements, offers you the benefit of proprietary innovative Carl Weiske technologies.

Research & development is our heartfelt passion. Our mission is to put chemical and physical interrelationships to practical use.

CARL WEISKE STAPLE FIBRE YARNS

HIGHTEX BY CARL WEISKE

100% Polyester	Ring-spun	Bright	Ne 6-50	1-21	ply
100% Polyester	Ring-spun	Semi-dull	Ne 6-50	1-21	ply
100% Polyester	OE yarn	Bright	Ne 5-30	1-21	ply
100% Polyester	OE yarn	Semi-dull	Ne 5-30	1-21	ply
100% Polyester	Hightex AV	Bright	Ne 12-60	1-2	ply
100% Polyester	Hightex AV	Semi-dull	Ne 12-60	1-2	ply
65% PES / 35% CO	Ring-spun	Semi-dull	Ne 10-40	1-2	ply
52% CO / 48% PES	Ring-spun	Semi-dull	Ne 10-40	1-2	ply
60% CO / 40% PES	Ring-spun	Semi-dull	Ne 12-40	1-2	ply

CARL WEISKE STAPLE FIBRE YARNS

HIGHTEX BY CARL WEISKE

100% Polyester FR **FLAMEX**	Ring-spun	Bright	Ne 6-50	1-2	ply
100% Polyester FR **FLAMEX**	Ring-spun	Semi-dull	Ne 6-50	1-2	ply
100% Polyester FR **FLAMEX**	OE yarn	Bright	Ne 6-30	1-2	ply
100% Polyester FR **FLAMEX**	OE yarn	Semi-dull	Ne 6-30	1-2	ply
100% Polyester FR **FLAMEX**	Hightex AV	Bright	Ne 12-60	1-2	ply
100% Polyester FR **FLAMEX**	Hightex AV	Semi-dull	Ne 12-60	1-2	ply
PES FR Recycled **FLAMEXGREEN**	Ring-spun	Semi-dull	Ne 10-40	1-2	ply
PES FR Recycled **FLAMEXGREEN**	OE yarn	Semi-dull	Ne 10-30	1-2	ply
PES FR Recycled **FLAMEXGREEN**	Hightex AV	Semi-dull	Ne 10-40	1-2	ply

PES FR Recycled **FLAMEXGREEN**	Compact spinning	Semi-dull	Ne 10-40	1-2	ply
100% PES Recycled **GREENTEX**	Ring-spun	Semi-dull	Ne 6-40	1-2	ply
100% Polyester **COOLPLUS**	Ring-spun	Semi-dull	Ne 12-40	1-2	ply

CARL WEISKE FILAMENT YARNS

100% Polyester	Textured	Semi-dull	dtex 50-330	1-4	ply
100% Polyester	Flat	Semi-dull	dtex 50-330	1	ply
100% Polyester	Flat	Bright	dtex 150-330	1	ply
100% Polyester FR **FLAMEX**	Textured	Semi-dull	dtex 50-330	1-4	ply
100% Polyester FR **FLAMEX**	Flat	Semi-dull	dtex 150-330	1	ply
100% PES, recycled **GREENTEX**	Textured	Semi-dull	dtex 183	1-4	ply
100% Polyester **COOLPLUS**	Textured	Semi-dull	dtex 83	1-2	ply

CARL WEISKE FIBRES

HIGHTEX BY CARL WEISKE

100% Polyester FR **FLAMEX**	Bright	1,3 dtex/38 mm
100% Polyester FR **FLAMEX**	Bright	3,3 dtex/51 mm
100% Polyester FR **FLAMEX**	Semi-dull	1,6 dtex/38 mm
100% PES, recycled **GREENTEX**	Semi-dull	1,6 dtex/38 mm

AUTOMOTIVE PROTECTIVE CLOTHING LIVING FASHION TECHNICAL TEXTILES SPORTSWEAR

FUNCTIONS.
EFFECTS.
COLOURS.

Individually for your needs.
Just contact us.

COLOURS	EFFECTS	FUNCTIONS
Yarn dyed	Chenille	High strength
Dope dyed	Melanges	High lightfastness
Individual colour variations	Slubs	Anti-soiling finish
	Neps	Reduced pilling
	Bouclés	With & without optical brightener
	Moulinés	IR camouflage
	Linen look	etc.

CARL WEISKE
INNOVATION IN TEXTILES

TRADE PRODUCTS.

As a distributor, we offer you fibres & yarns from selected suppliers as a less expensive alternative to our high-class Carl Weiske products.

We call this division **TRADETEX**.

In addition to our known reliability when buying our trade products, you benefit from random quality checks and individual optional services:

- tailor-made to your requirements.

TRADETEX
BY CARL WEISKE

Analyses & Support

Comprehensive Quality Checks

Logistics Tools

OPTIONAL SERVICES.

The topping on our trade products

TRADE STAPLE FIBRE YARNS

TRADETEX BY CARL WEISKE

100% polyester	Ring-spun	Semi-dull	Ne 6-40	1-2	ply
100% polyester	OE yarn	Semi-dull	Ne 4-30	1-2	ply
100% polyester	Slub yarn	Semi-dull	Ne 12-24	1-2	ply
100% polyester FR	Ring-spun	Semi-dull	Ne 6-40	1-2	ply
65% PES / 35% CO	OE yarn	Semi-dull	Ne 6-20	1-2	ply
65% PES / 35% CO	Ring-spun	Semi-dull	Ne 10-40	1-2	ply
52% CO / 48% PES	Ring-spun	Semi-dull	Ne 12-40	1-2	ply
60% CO / 40% PES	Ring-spun	Semi-dull	Ne 12-40	1-2	ply
65% PES / 35% CV	Ring-spun	Bright	Ne 20-40	1-2	ply

TRADE STAPLE FIBRE YARNS

TRADETEX BY CARL WEISKE

100% cotton	Ring-spun	Carded	Ne 12-36	1-2	ply
100% cotton	Ring-spun	Combed	Ne 30-106	1-2	ply
100% viscose	Ring-spun	Bright	Ne 8-40	1-2	ply
100% viscose from bamboo	Ring-spun	Bright	Ne 16-30	1-2	ply
100% standard lyocell	Ring-spun	Bright	Ne 20-30	1-2	ply
100% standard lyocell	Airjet	Bright	Ne 20-30	1-2	ply
100% modal	Ring-spun	Bright	Ne 12-30	1-2	ply
100% modal	Airjet	Bright	Ne 12-30	1-2	ply
100% micro-modal	Airjet	Bright	Ne 18-41,5	1-2	ply

TRADE FILAMENT YARNS

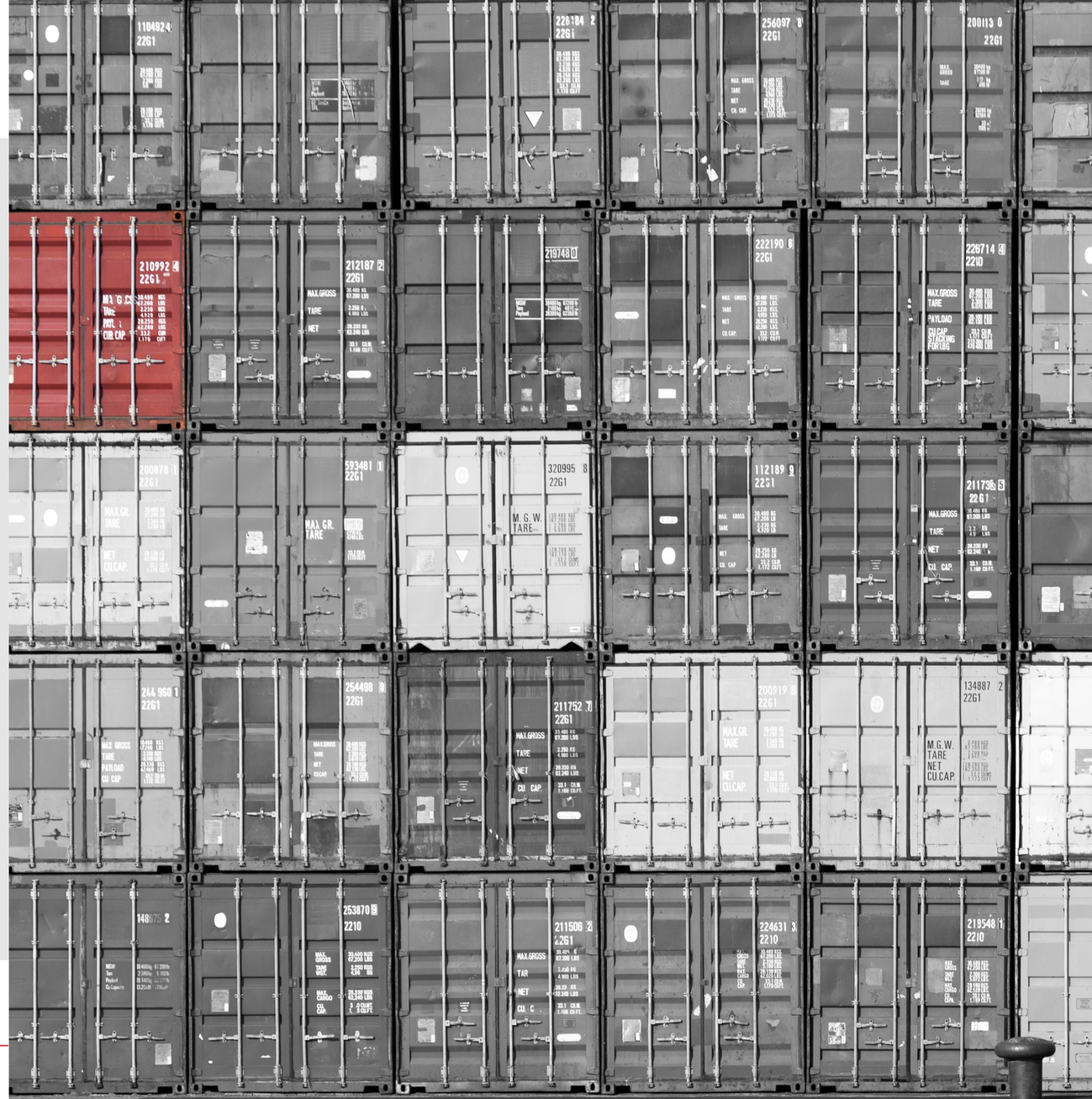
TRADETEX
BY CARL WEISKE

100% polyester	Textured	Semi-dull	dtex 50-330	1-4	ply
100% polyester	Flat	Semi-dull	dtex 50-167	1	ply
100% polyester	Flat	Bright	dtex 150-330	1	ply
100% polyester FR	Textured	Semi-dull	dtex 83-330	1-4	ply
100% PBT	Flat	Semi-dull	dtex 20-75	1	ply

TRADE FIBRES

100% polyester FR		Semi-dull	1,6 dtex/38 mm		

Colour yarns and melange yarns on request.



SOLUTIONS.

Are you having any yarn issues? Is your process not running in a stable manner? Or are you just not finding any solution for your technically demanding requirements?

Carl Weiske has competence over the entire textile value chain, from the polymer to the final finished textile system. This know-how and our chemical and physical analyses lab help us to solve your trickiest problems in our **THINKTEX** division.

Our experienced engineers and lab technicians analyse your problem to pinpoint the process step where "things are stuck".

Then we work out an individual solution for you.

THINKTEX
BY CARL WEISKE

ANALYSES & SUPPORT.

We will not let you down

Chemical & Physical Analyses

Materials testing for:

- Polymers
- Fibres
- Filament yarns
- Staple fibre yarns
- Fabrics

Support

Solutions:

- New product ideas
- Customised development
- Product optimisation
- Process optimisation
- Damage analyses

POLYMER ANALYSES

THINKTEX BY CARL WEISKE

Polymer testing	Test method	Price (€)
Differential scanning calorimetry (DSC)	Thermal method	158.00
Intrinsic viscosity	ISO 1628T5 (PET substrate)	93.00
Colour measurement of granulate (Xrite/Datacolor)	CIELab	73.00
Carboxyl end groups	Test lab method	On request
Antimony content	Test lab method	On request
Monoethylene glycol content of polyester	Test lab method	On request
Diethylene glycol content of polyester	Test lab method	On request
Titanium dioxide content	Test lab method	On request
Flame retardant component (type)	Test lab method	On request
Flame retardant component content	Test lab method	On request

The stated prices are non-binding and valid until 31 Dec 2023.
If additional costs are to be expected, you will receive a separate offer before testing.
All prices are exclusive of VAT.
The tests are performed in accordance with the test methods.

STAPLE FIBRE ANALYSES

THINKTEX BY CARL WEISKE

Staple fibre testing	Test method	Price (€)
Fibre fineness (vibroscopic method)	DIN EN ISO 1973	On request
Fibre strength and elongation	DIN EN ISO 5079	On request
Fibre length	DIN 53808	On request
Fibre crimp/crimp count	Test lab method	On request
Oil content (OPU)	DIN EN 54278-1	On request
Fibre shrinkage	Test lab method	On request
Total oligomer content	Test lab method	On request
IR spectroscopy	Test lab method	On request

FIBRE YARN ANALYSES

THINKTEX BY CARL WEISKE

Fibre yarn testing	Test method	Price (€)
Type of yarn (spinning method, twist-direction)	Test lab method	23.00
Yarn count	DIN EN ISO 2060	23.00
Yarn evenness & IPI values, hairiness, trash/dust	Uster test method on UT4	44.00
Maximal tensile strength & maximal elongation at break	DIN EN ISO 2062, USTER UTR4	42.00
Yarn twists in single yarns	DIN EN ISO 2061	22.00
Ply twists of twisted ply yarns (including yarn twist)	DIN EN ISO 2061	44.00
Boil water shrinkage	DIN 53 866-2	58.00
Hot air shrinkage	DIN EN 14621	58.00
Staining test (PES)	Test lab method	297.00
Check for thick places or lumps & excision	Test lab method	61.00

FIBRE YARN ANALYSES

THINKTEX BY CARL WEISKE

Fibre yarn testing	Test method	Price (€)
Free shrinkage under dyeing conditions	Test lab method	114.00
Differential scanning calorimetry (DSC)	Thermal method	158.00
Intrinsic viscosity	ISO 1628T5 (PET substrate)	93.00
Pilling	DIN EN ISO 12945-2	On request
Colour measurement (Xrite/Datacolor) incl. sample preparation	CIELab	144.00
Friction value	Test lab method	31.00
Abrasion resistance	DIN EN ISO 12947-2	On request
Light fastness and ageing under artificial light at high temperatures: Testing with xenon arc lamp	DIN EN ISO 105 B06 or VDA 75202	On request
Light fastness against artificial light: Xenon arc lamp	DIN EN ISO 105-B02	On request
Light fastness against artificial weathering: Xenon arc lamp	DIN EN ISO 105-B04	On request

FILAMENT YARN ANALYSES

THINKTEX BY CARL WEISKE

Filament yarn testing	Test method	Price (€)
Type of yarn	Test lab method	23.00
Yarn count	DIN EN ISO 2060	23.00
Maximal tensile strength & maximal elongation at break	DIN EN ISO 2062, USTER UT4	42.00
Yarn twists	DIN EN ISO 2061	22.00
Number and stability of interlacing points	Test lab method	83.00
Staining test (PES)	Test lab method	297.00
Boil water shrinkage	DIN 53 866-2	58.00
Hot air shrinkage	DIN EN 14621	58.00
Free shrinkage under dyeing conditions	Test lab method	114.00
Differential scanning calorimetry (DSC)	Thermal method	158.00

FILAMENT YARN ANALYSES

THINKTEX BY CARL WEISKE

Filament yarn testing	Test method	Price (€)
Intrinsic viscosity	ISO 1628T5 (PET substrate)	93.00
Pilling	DIN EN ISO 12945-2	On request
Abrasion resistance	DIN EN ISO 12947-2	On request
Colour measurement (Xrite/Datacolor) incl. sample preparation	CIELab	144.00
Friction value	Test lab method	31.00
Light fastness and ageing under artificial light at high temperatures: Testing with xenon arc lamp	DIN EN ISO 105 B06 or VDA 75202	On request
Light fastness against artificial light: Xenon arc lamp	DIN EN ISO 105-B02	On request
Light fastness against artificial weathering: Xenon arc lamp	DIN EN ISO 105-B04	On request

TEXTILE FABRIC ANALYSES

THINKTEX BY CARL WEISKE

Textile fabric analyses	Test method	Price (€)
Type of yarn (woven/knitted fabric)	Test lab method	30.00
Yarn count (woven/knitted fabric)	Test lab method	58.00
Mass per unit area	DIN 12127	9.00
Yarn count (excluding sample preparation)	DIN EN 1049-2	31.00
Analyses of weave construction	Test lab method	22.00
Analyses of knitting construction	Test lab method	On request
Tensile elongation testing (woven/knitted fabric)	DIN EN ISO 13934-1	60.00
Dyeing test (PES)	Test lab method	239.00
Shrinkage measurement on textile fabrics	Test lab method	83.00
Manufacture of knitted socks (up to 5 bobbins in comparison)	Test lab method	60.00
Cutting out of threads (woven/knitted fabric)	Test lab method	Depending on number

TEXTILE FABRIC ANALYSES

THINKTEX BY CARL WEISKE

Textile fabric analyses	Test method	Price (€)
Film imprint test	Test lab method	62.00
Spray test	Test lab method	62.00
Free shrinkage under dyeing conditions	Test lab method	114.00
Glass tube test (excluding sample preparation)	Test lab method	103.00
Colour measurement (Xrite/Datacolor)	CIELab	62.00
Rubbing fastness dry & wet	DIN EN ISO 105-X12	On request
Pilling	DIN EN ISO 12945-2	On request
Abrasion resistance	DIN EN ISO 12947-2	On request
Working-in (woven/knitted fabric)	Test lab method	58.00
Light fastness and ageing under artificial light at high temperatures: Testing with xenon arc lamp	DIN EN ISO 105 B06 or VDA 75202	On request
Light fastness against artificial light: Xenon arc lamp	DIN EN ISO 105-B02	On request

TEXTILE FABRIC ANALYSES

THINKTEX BY CARL WEISKE

Textile fabric analyses	Test method	Price (€)
Light fastness against artificial light: Xenon arc lamp	DIN EN ISO 105-B02	On request
Microscopic examination - longitudinal view	Test lab method	44.00
Microscopic examination - cross-section (incl. section as sample preparation)	Test lab method	63.00

TEST REPORT

Test report	Price (€)
Creation of test report without assessment	40.00
Creation of test report with assessment	50.00 / h

FLAME RETARDATION TESTING OF TEXTILE FABRICS

THINKTEX BY CARL WEISKE

Flame retardation testing	Test method	Price (€)
B2 - suspended textiles (test oriented at B1)	DIN 4102-1	300.00
Cone calorimeter measurement	DIN EN ISO 5660	On request
Limiting oxygen index (LOI in %)	DIN EN ISO 4589-2	On request
Further flame retardation testing possible (e.g. M1, BS 5852, etc.)		On request

To find a conducive solution, further chemical or physical analyses may be useful.

We will be pleased to advise you!

THINKTEX PACKAGES.

PACKAGE OFFER

Fibre yarns & twisted ply yarns

- Type of yarn
- Yarn count
- Check for thick places and yarn faults
- Yarn evenness & IPI values
- Maximal tensile strength & maximal elongation at break
- Yarn twists in single yarns
- Ply twists of twisted ply yarns (including yarn twist)
- Creation of test report without assessment

Package price

Single yarns	229 €
Twisted ply yarns	249 €

Price discount compared to individual tests **10 %**

PACKAGE OFFER

Filament yarns

- Type of yarn
- Yarn count
- Maximal tensile strength & maximal elongation at break
- Number and stability of interlacing points
- Creation of test report without assessment

Package price **189 €**

Price discount compared to individual tests **10%**

PACKAGE OFFER

Woven fabrics

- Analysis of weave construction
- Thread count (warp/weft)
- Type of yarn
- Mass per unit area
- Yarn count
- Creation of test report without assessment

Package price **171 €**

Price discount compared to individual tests **10%**

Prices for our support services on request

THE CARL WEISKE STORY.

This is us

CARL WEISKE is a medium-sized, owner-managed company and a reliable partner in the field of development & manufacture of fibres, yarns and textile systems.

Our concern is not only noticeably improved product quality, but also maximum safety and productivity at all stages of the value chain.
We supply manufacturers of home textiles, automotive textiles, sportswear & functional textiles as well as technical textiles.

Since it was established in 1903, the company has seen a continuous development. Today, a workforce of about 30 provides for satisfied customers and top quality.

1903 - 1935

- Mr. Carl Weiske founded the company Carl Weiske in 1903
- The company was appointed General Agent of Fine Spinners & Doublers

1936 - 1961

- After Carl Weiske's death in 1935, his wife Marie Weiske took over the business and became sole owner

1962 - 1990

- In 1962 Marie's son, Dieter Weiske, took over the company management
- The company became one of the most important yarn traders of Europe - with locations in the USA and France

1991 - today

- Thomas Weiske took charge of the management in 1991.
- The current managing director, Thomas Weiske, has build up two divisions and a comprehensive quality management system

OUR DNA.

Excellence
Passion
Responsibility

The focus of our activity is the human being.

Our company is guided by Christian principles. Traditional values are just as important to us as future-oriented & innovative action.

This is how we act: with honesty, esteem for others and communication on equal footing.

We wish to delight our customers.

Quality is one of basic requirements. That is why we pursue the principles of total quality management - a holistic quality management system which helps us to achieve very good results and optimal processes.

In addition, we implement the specifications of the German Association of the Automotive Industry (VDA).

INNOVATION IN TEXTILES.

CRADLE TO CRADLE LIGHT WEIGHT
INDUSTRY 4.0 INNOVATION SUSTAINABILITY
BIOPOLYMERS TEAMWORKING TQM
NOVEL POLYMERS RESEARCH

STAY HUNGRY. STAY FOOLISH.

Quotation by Steve Jobs

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CARL WEISKE

INNOVATION IN TEXTILES