Polyester & Viscose

Two innovative German fibre producers join forces in the segment of spun dyed fibres





Clean Color Concept

We add color to textiles. Without an additional dyeing process. Right at the beginning.

Spun dyed fibres are absolutely consistent in color, reproducable and offer particularly high wash and light fastness. Both economically and ecologically these fibres are ideal for single colored fabrics and avoid waste water issues from the dyeing process.



Ecological Aspects

CEE

Clean Color Concept

Environmentally friendly dyeing process.

Color pigments are injected immediately before the fibre is formed.

No additional dyeing step

No additional water consumption

No additional chemicals needed

No additional energy needed

Lower CO² emissions

No water pollution because of dyeing

No water pollution because of bleeding during washing



Product advantages of spun dyed colors



Very good color and light fastness



Good color reproducibility



Less color deviation



Highest **color** brilliance



Intense and bright colors

also after

washing

No bleeding



Concept

End use

There are many applications for yarns made of spun dyed viscose / polyester fibre blends. The ideal application is where there is a need for large quantities of fabric of a precisely defined shade and where comfort, wear properties and bright colors are of importance.

- Professional clothing
- Uniforms
- Furnishing fabrics
- Upholstery fabrics
- Ladies and mens outerwear















Grisuten[®] Polyester

high performance

- excellent dimensional stability
- machine washable
- easy-care
- crease resist
- favorable wrinkle properties

superior wearer comfort

Viscose

- skin friendliness
- pleasant soft touch
- flowing drape
- high moisture absorption
- enhanced body climate

Functional properties

Viscose and polyester are two separate generic fibre types each having different properties. Blended together, the overall result is superior to one component on its own. Spun dyed fibre types produce a yarn which is completely new and unique. Fabrics made with these blends boast a higher serviceability, excellent wear properties and also look more elegant.

color reproducibility excellent fastness values good wearer comfort performance characteristics

Economic Aspects





colors

Usually cheaper than stock or yarn dyeing



No additional dyeing step



Short throughput time from fibre to finished product



Short delivery times

Standard Type

Polyester	1,5 dtex	38 mm	bright
Viscose	1,5 dtex	40 mm	bright

Suitable for OE, Ring- and Air Jet spinning. Colors can also be produced in 3,3-17 dtex.

Fibre Data

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Fineness	dtex	1,5	1,5
Tenacity in conditioned state	cN/tex	45	23
Elongation in conditioned state	%	25	20
Tenacity in wet state	cN/tex	45	12
Moisture absorption	%	5	85
		Annro	ximate

values

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Clean Color Concept

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1,5 dtex/40	o mm bright					black as p-	: also available regenerated eternity fibre
dark blue	navy	medium blue	beige	brown	red	black	
No. 5219	No. 5222	No. 5220	No. 5047	No. 5048	No. 5106	No. 5501	Polyester Märkische Faser
No. Zo9080	No. Zo9079	No. Zo9078	No. Z09149	No. Z09205	No. Zo6284	No. Z01332	Viscose Kelheim Fibres

(The colors shown here do not correspond to 100% to the real color of the fiber.)

p-eternity

We close the loop! Up-cycling instead of re-cycling. Green and ethical footprint. The black polyester is also available in 1,7 dtex recycled.



Märkische Faser GmbH

Located near Berlin, at the heart of the new Europe, Märkische Faser GmbH is a European fibre producer with an international flavour. Although already well known for its Grisuten® polyester fibre, this partnership with Kelheim Fibres confirms Märkische Faser's stature as one of the more unique companies on the world synthetic fibres stage, bringing both product innovation as well as quality service in order to meet our customer's needs. At Märkische Faser's Grisuten® plant, polymer dyeing technology and special finishing processes are available to produce speciality fibres for textile, technical and automotive end uses. Our commitment to the long term future of the European textiles industry means that we actively pursue and develop a close working relationship with our customers as well as investing in a wide range of R&D activities. Innovation and commitment are the two keys in maintaining our position in the industry.

Kelheim Fibres GmbH

Kelheim Fibres is a medium-sized fibre manufacturer in Southern Germany with 500 employees and an annual production of 90,000 tons of viscose speciality fibres. Our vision is to be the world's leading producer of viscose speciality fibres for a broad spectrum of applications and markets.

Our focus is on continuously developing new ideas in order to meet the needs of our customers. By modifying our fibre products we are able to create new specialities with intrinsic product properties – for both existing and new markets.

The key to our innovation skills is our long history of R&D in cellulose fibres. In our in-house pilot plants we can apply and test these new specialities according to the demand of your specific application.

We are eager to learn about your requirements and objectives. And we look forward to working together with you in close cooperation to meet your needs.

Both fibre types comply with the DIN, Oeko-Tex and ISO 9001, ISO 50001 (energy) standards.



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