



# Clean Color Concept

The ecological way to  
add color to textiles



# 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, reproducible 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

**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 CO<sup>2</sup> 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  
reproduci-  
bility



Less color  
deviation



Highest color  
brilliance



Intense and  
bright colors  
also after  
washing



No bleeding

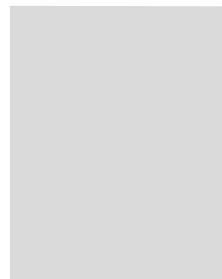
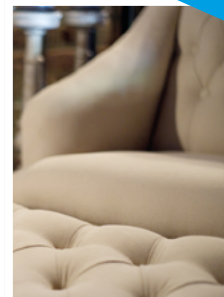
## End use

There are many applications for yarns made of spun dyed 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



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Concept



# Economic Aspects



Usually cheaper than stock or yarn dyeing



Savings of up to 50% in medium colors



No additional dyeing step



Short through-put time from fibre to finished product



Short delivery times

# Functional properties

Grisuten® Polyester

## high performance

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



# Standard Type

Grisuten® Polyester	1,5 dtex	38 mm	bright
	1,7 dtex	38 mm	bright

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

# Fibre Data

Fineness	dtex	1,7
Tenacity in conditioned state	cN/tex	45
Elongation in conditioned state	%	25
Tenacity in wet state	cN/tex	45
Moisture absorption	%	5

Approximate values

Grisuten® Polyester

# Colors in Stock

1,7 dtex / 38 mm bright

					
karakum	tabacco	yellow	serengeti	red	pazific
No. 5070	No. 5078	No. 5079	No. 5097	No. 5110	No. 5249
					
royal blue	hunter green	dark green	midgreen	dolomit	black
No. 5224	No. 5233	No. 5264	No. 5268	No. 5356	No. 5501

*black: also available  
as regenerated  
p-eternity fibre*

(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.

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.

The basic principle for our success lies in the ability to combine advanced technology, excellent infrastructure and first-class technical equipment with the best talents of our skilled and experienced employees and to efficiently apply these advantages.



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