



Serisol ECF

Dyes for Acetate



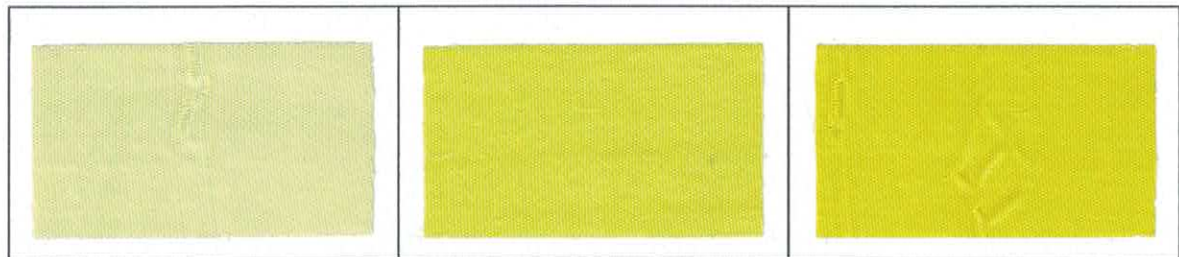
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SERISOL GELB ECF

SERISOL YELLOW ECF

Auf Acetat - Futterstoff
on acetate - lining fabric

gefärbt 60 min. bei 85°C
dyed 60 min. at 85°C



0,1 %

0,5 %

1,0 %

ECHTHEITSEIGENSCHAFTEN FASTNESS PROPERTIES

Lichtechtheit Light fastness	SD	1/12	1/3	1/1
ISO 105 - B01 Tageslicht Daylight		5-6	6-7	6-7
ISO 105 - B02 Xenontest		6	6-7	6-7
		<u>CS</u>	<u>CA</u>	<u>CV</u>
Schweißsechtheit Perspiration ISO 105 - E04 alkalisch / alkaline sauer / acid		5 5	4 4	4 - 5 4 - 5
Wäsche 40°C Washing 40°C ISO 105 - C01		5	4-5	5
Wasserechtheit Water fastness ISO 105 - E01		5	4	4-5
Abgasechtheit Gas fume fastness ISO 105 - G01		5		

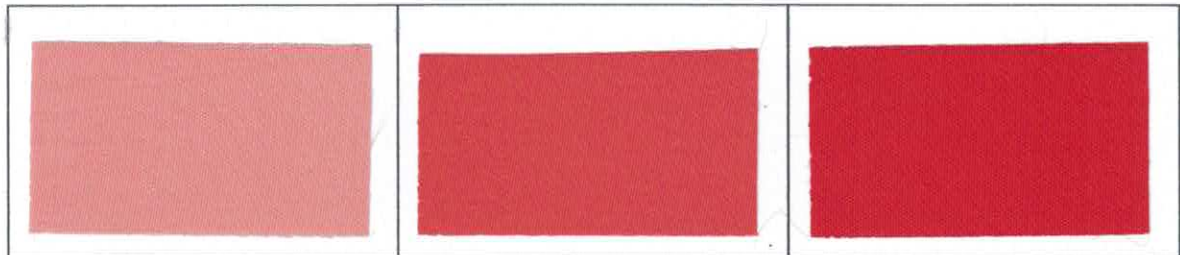
SD Richttyptiefe / Standard Depth
CS Farbtonänderung / Change of shade
CA Anbluten von Acetat / Staining on acetate
CV Anbluten von Viskose / Staining on viscose

SERISOL SCHARLACH ECF

SERISOL SCARLET ECF

Auf Acetat - Futterstoff
on acetate - lining fabric

gefärbt 60 min. bei 85°C
dyed 60 min. at 85°C



0,1 %

0,5 %

1,0 %

ECHTHEITSEIGENSCHAFTEN FASTNESS PROPERTIES

Lichtechtheit Light fastness	SD	1/12	1/3	1/1
ISO 105 - B01 Tageslicht Daylight		5-6	6	6
ISO 105 - B02 Xenontest		5-6	6	6
		<u>CS</u>	<u>CA</u>	<u>CV</u>
Schweißechtheit Perspiration				
ISO 105 - E04 alkalisch / alkaline sauer / acid		5 5	4-5 4-5	4-5 4-5
Wäsche 40°C Washing 40°C ISO 105 - C01		5	4-5	5
Wasserechtheit Water fastness ISO 105 - E01		5	4-5	4-5
Abgasechtheit Gas fume fastness ISO 105 - G01		5		

SD Richttyptiefe / Standard Depth

CS Farbtonänderung / Change of shade

CA Anbluten von Acetat / Staining on acetate

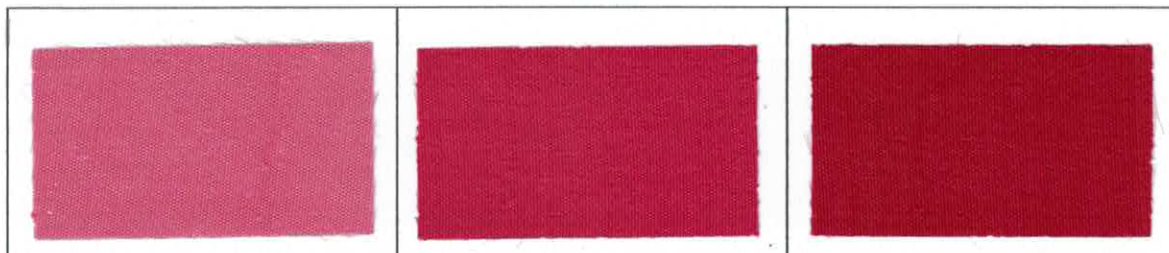
CV Anbluten von Viskose / Staining on viscose

SERISOL KARMESIN ECF

SERISOL CRIMSON ECF

Auf Acetat - Futterstoff
on acetate - lining fabric

gefärbt 60 min. bei 85°C
dyed 60 min. at 85°C



0,2 %

1,0 %

2,0 %

ECHTHEITSEIGENSCHAFTEN FASTNESS PROPERTIES

Lichtechtheit Light fastness SD	1/12	1/3	1/1
ISO 105 - B01 Tageslicht Daylight	5-6	5-6	6-7
ISO 105 - B02 Xenontest	5-6	5-6	6-7
	<u>CS</u>	<u>CA</u>	<u>CV</u>
Schweißsechtheit Perspiration ISO 105 - E04 alkalisch / alkaline sauer / acid	5 4-5	4-5 4-5	5 4-5
Wäsche 40°C Washing 40°C ISO 105 - C01	4	4	4
Wasserechtheit Water fastness ISO 105 - E01	4-5	4-5	4-5
Abgasechtheit Gas fume fastness ISO 105 - G01	4-5		

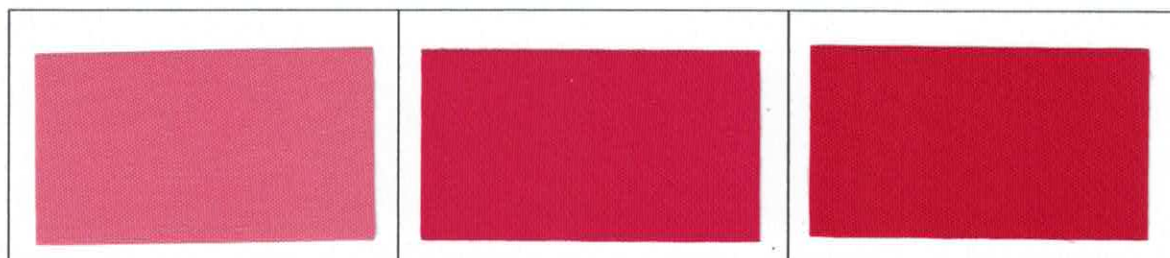
SD Richttyptiefe / Standard Depth
CS Farbtonänderung / Change of shade
CA Anbluten von Acetat / Staining on acetate
CV Anbluten von Viskose / Staining on viscose

SERISOL ROT ECF

SERISOL RED ECF

Auf Acetat - Futterstoff
on acetate - lining fabric

gefärbt 60 min. bei 85°C
dyed 60 min. at 85°C



0,2 %

1,0 %

2,0 %

ECHTHEITSEIGENSCHAFTEN FASTNESS PROPERTIES

Lichtechtheit Light fastness	SD	1/12	1/3	1/1
ISO 105 - B01 Tageslicht Daylight		5-6	5-6	6-7
ISO 105 - B02 Xenontest		5-6	5-6	6-7
		<u>CS</u>	<u>CA</u>	<u>CV</u>
Schweißechtheit Perspiration				
ISO 105 - E04 alkalisch / alkaline sauer / acid		5 4-5	4-5 4-5	5 4-5
Wäsche 40°C Washing 40°C ISO 105 - C01		4	4	4
Wasserechtheit Water fastness ISO 105 - E01		4-5	4-5	4-5
Abgasechtheit Gas fume fastness ISO 105 - G01		4-5		

SD Richttiefte / Standard Depth
CS Farbtonänderung / Change of shade
CA Anbluten von Acetat / Staining on acetate
CV Anbluten von Viskose / Staining on viscose

SERISOL BLAU ECFN

SERISOL BLUE ECFN

Auf Acetat - Futterstoff
on acetate - lining fabric

gefärbt 60 min. bei 85°C
dyed 60 min. at 85°C



0,1 %

0,5 %

1,0 %

ECHTHEITSEIGENSCHAFTEN FASTNESS PROPERTIES

Lichtechtheit Light fastness	SD	1/12	1/3	1/1
ISO 105 - B01 Tageslicht Daylight		4	4-5	5
ISO 105 - B02 Xenontest		4	4-5	5
		<u>CS</u>	<u>CA</u>	<u>CV</u>
Schweißechtheit Perspiration				
ISO 105 - E04 alkalisch / alkaline		5	3-4	4
sauer / acid		5	3-4	4
Wäsche 40°C Washing 40°C		5	4	4-5
ISO 105 - C01				
Wasserechtheit Water fastness		5	3-4	4
ISO 105 - E01				
Abgasechtheit Gas fume fastness		4		
ISO 105 - G01				

SD Richttiefte / Standard Depth
CS Farbtonänderung / Change of shade
CA Anbluten von Acetat / Staining on acetate
CV Anbluten von Viskose / Staining on viscose

SERISOL MARINEBLAU ECF

SERISOL NAVY BLUE ECF

Auf Acetat - Futterstoff
on acetate - lining fabric

gefärbt 60 min. bei 85°C
dyed 60 min. at 85°C



0,5 %

1,0 %

2,0 %

ECHTHEITSEIGENSCHAFTEN FASTNESS PROPERTIES

Lichtechntheit Light fastness	SD	Marine/hell navy/light		Marine/dunkel navy/dark
ISO 105 - B01 Tageslicht Daylight		5		5-6
ISO 105 - B02 Xenontest		5		5-6
		<u>CS</u>	<u>CA</u>	<u>CV</u>
Schweißechtheit Perspiration				
ISO 105 - E04 alkalisch / alkaline sauer / acid		5 5	4 4	4 4
Wäsche 40°C Washing 40°C ISO 105 - C01		5	3-4	4
Wasserechtheit Water fastness ISO 105 - E01		5	4	4
Abgasechtheit Gas fume fastness ISO 105 - G01		4-5		

SD Richttyptiefe / Standard Depth
CS Farbtonänderung / Change of shade
CA Anbluten von Acetat / Staining on acetate
CV Anbluten von Viskose / Staining on viscose

SERISOL GRAU ECF

SERISOL GREY ECF

Auf Acetat - Futterstoff
on acetate - lining fabric

gefärbt 60 min. bei 85°C
dyed 60 min. at 85°C



0,08 %

0,4 %

0,8 %

ECHTHEITSEIGENSCHAFTEN FASTNESS PROPERTIES

Lichtechtheit Light fastness	SD	1/12	1/3	1/1
ISO 105 - B01 Tageslicht Daylight		3-4	3-4	4-5
ISO 105 - B02 Xenontest		2-3	2-3	3
		<u>CS</u>	<u>CA</u>	<u>CV</u>
Schweißechtheit Perspiration				
ISO 105 - E04 alkalisch / alkaline sauer / acid		4 4	4 4	4-5 4-5
Wäsche 40°C Washing 40°C ISO 105 - C01		4-5	4	5
Wasserechtheit Water fastness ISO 105 - E01		5	4	4-5
Abgasechtheit Gas fume fastness ISO 105 - G01		1-2		

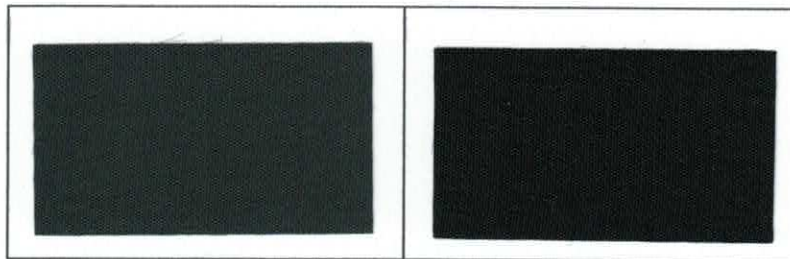
SD Richttiefte / Standard Depth
CS Farbtonänderung / Change of shade
CA Anbluten von Acetat / Staining on acetate
CV Anbluten von Viskose / Staining on viscose

SERISOL SCHWARZ ECFN

SERISOL BLACK ECFN

Auf Acetat - Futterstoff
on acetate - lining fabric

gefärbt 90 min. bei 85°C
dyed 90 min. at 85°C



2,0%

4,0%

ECHTHEITSEIGENSCHAFTEN FASTNESS PROPERTIES

Lichtechtheit Light fastness ISO 105 - B01 Tageslicht Daylight ISO 105 - B02 Xenontest	Schwarz/black		
	5		
	5		
	<u>CS</u>	<u>CA</u>	<u>CV</u>
Schweißechtheit Perspiration ISO 105 - E04 alkalisch / alkaline sauer / acid	5 5	4 4	4 4
Wäsche 40°C Washing 40°C ISO 105 - C01	5	3-4	4-5
Wasserechtheit Water fastness ISO 105 - E01	5	4	4
Abgasechtheit Gas fume fastness ISO 105 - G01	4		

SD Richttyptiefe / Standard Depth
CS Farbtonänderung / Change of shade
CA Anbluten von Acetat / Staining on acetate
CV Anbluten von Viskose / Staining on viscose

Serisol ECF Dyes

The Future Technology for Dyeing Acetate and its Blends

The Serisol ECF dyes have been developed by Yorkshire Chemicals specifically to meet the changing demands on acetate fabrics for improved fastness, simplicity of dyeing and Oeko-Tex 100 Standard.

The Serisol ECF Dyes provide:

Excellent dyeing properties - good even buildup, levelling and compatibility with high exhaustion - leading to shorter and more reproducible dyeing on jigs.

Higher wet fastness than traditionally obtained on acetate fabrics.

Good fastness to gas fumes and light and free from catalytic fading.

Superior dyeing performance and fastness to most traditional acetate dyes e.g. C.I. Disperse Yellow 3, C.I. Disperse Red 1. C.I. Disperse Blue 3, C.I. Disperse Blue 102.

In proper use the Serisol ECF dyes should result in compliance with the requirements of the Oeko-Tex 100 Standard making the dyes suitable for textile articles for retail outlets using this standard.

Fibre Suitability

Secondary acetate and its blends with nylon, viscose and Lycra

Process Suitability

Jig application

Jet application

Trichromatic Combinations

For dyeing under acidic conditions the following trichromatic combination is recommended:

Serisol Yellow ECF

Serisol Scarlet ECF

Serisol Blue ECFN

For dyeing under alkaline conditions e.g. scour dyeing the following trichromat may be used:

Serisol Orange ECF
Serisol Scarlet ECF
Serisol Blue ECFN

Serisol Yellow ECF is not suitable for dyeing under alkaline conditions. If a shading colour is required Serisol Fast Yellow GWD can be used.

Dyeing Methods

The Serisol ECF dyes may be successfully applied under both acidic and alkaline conditions.

The methods described for a typical process on an enclosed atmospheric Jig dyeing machine.

A. Dyeing under acidic conditions on pre-scoured acetate lining fabric

Auxiliary required:

2 ml/l Dyapol NS
2 ml/l Dyamul APF liq.

- Set dyebath at 80°C
- Add half previously dispersed Serisol ECF dyes and dyebath auxiliaries
- Adjust to pH 4.5-5.0 with acetic acid
- Run 1 end at 80°C
- Add remaining previously dispersed Serisol ECF dyes and dyebath auxiliaries
- Run 1 end at 80°C
- Raise the dyebath temperature to 85-95°C (depending on fabric type or depth of shade)
- Run for 4 ends

B. Scour/Dyeing under alkaline conditions on unsoured acetate lining fabric

Auxiliaries required:

2ml/l Dyapol NS
2ml/l Dyamul OEN
2ml/l Dyamul APF liq.

- Set bath at 60°C (hot pre-rinse)
- Run 1 end at 60°C
- Drop bath and re-fill with water
- Set bath at 80°C
- Add half previously dispersed Serisol ECF dyes and dyebath auxiliaries
- Check pH 8.5-9.0
- Run 1 end at 80°C
- Add remaining previously dispersed Serisol ECF dyes and dyebath auxiliaries
- Run 1 end at 80°C
- Raise the dyebath temperature to 85-95°C (depending on fabric type of depth of shade)
- Run for 4 ends

For most shades 4 ends should be sufficient. However, for dark shades or for larger batch sizes, the number of ends should be increased.

After dyeing, the dyed fabric may be given a hot water rinse or mild scour in order to achieve optimum fastness.

Again - N.B. Serisol Yellow ECF is not recommended for scour dyeing under alkaline conditions.

Auxiliary Selection:

Dyapol NS - powerful Dispersing agent

Dyamul APF liq. - prevents dye agglomeration and redeposition in the cooling bath
Suitable for use in a variety of dyeing machines
Recommended concentration 0.5 - 2.0g/l

Dyamul OEN - Scour/dye assistant and dispersing agent
Recommended concentration 0.5 - 2.0g/l