

Environmental declaration



rachel kollerup



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Rachel Kollerup is a sustainable Danish fashion brand, founded in the principle that style and respect for the environment go hand-in-hand. Rather than opting for traditional seasonal collections, Rachel Kollerup designs high-quality, timeless pieces which are meant to mix-and-match for a multitude of wardrobe combinations. Durability and versatility make for garments which can be worn over and over again, standing the test of time through both seasonal and style changes. All pieces in the Rachel Kollerup collection are designed with the complete life cycle of a garment in mind, with the designer herself aiming for total transparency from supply chain to manufacturing.

The environmental profile is based on a Life Cycle Assessment Screening using generic data from GaBi 6. All calculations are done by FORCE Technology, Department of Applied Environmental Assessment. For further information regarding the calculation, see separate background document.



Style informations

Style	b1
Designer	Rachel Kollerup
Size	36, 38, 40
Colour	Black

Textile informations

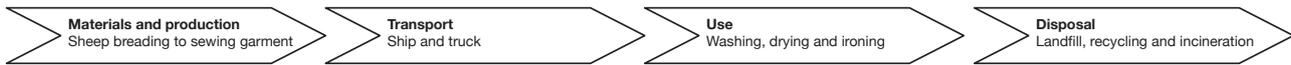
Quality	WO/PL/EA (49/53/2)
Fabric	Seidra ART 42970
Fabric origin:	Austria
Lining	No lining
Lining origin	-
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	0%
Total weight	0,37 kg

Special features

Belt	Gros grain, polyester
Zipper	Riri

Environmental profile

Life cycle of garment

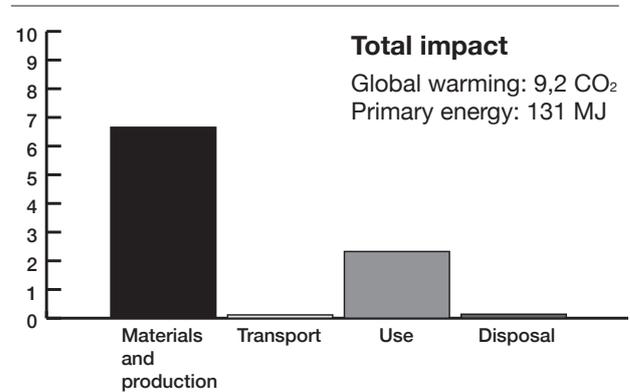


Environmental calculations and assumption

Lifetime	3,5 years
Days of use	48 per year
Cleaning method	12 washes and 6 ironings per year
End of life	0% recycled, 50% incinerated, 50% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO₂ emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup trousers (style b1) is 9,2 kg. That is about the equivalent of:

59 km in a ordinary passenger car

51 one liter water bottles produced

2405 hours of illumination of the light bulb (10W)

2,7 years standby consumption from TV

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool which ensures minimal environmental impact from washing processes. The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact.

Become more sustainable by...

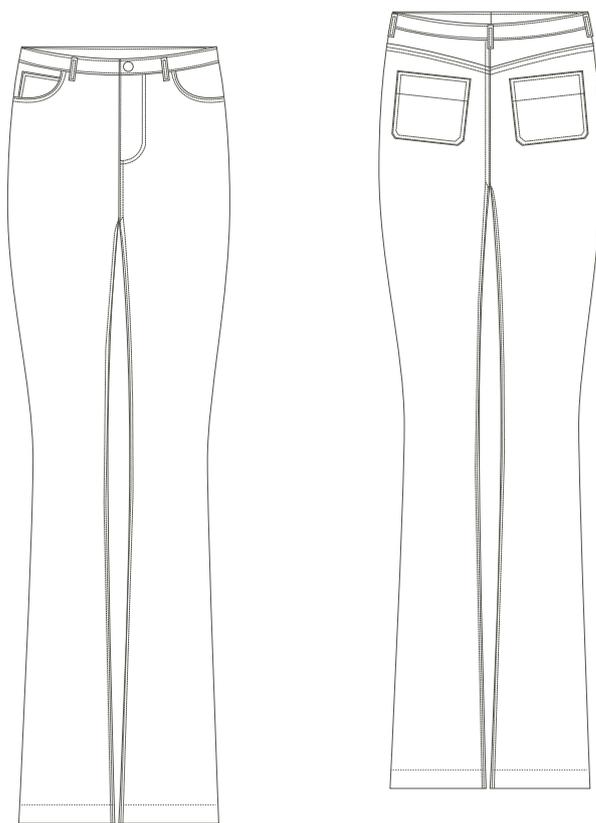
- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my trousers	Remove the stain with a damp cloth instead of washing
I have used my trousers a few times, but they are not visible dirty	Hang them outside overnight for airing
My trousers are visible dirty	Wash them in a mashine on 30 degrees
How to dry my trousers	Shake your trousers after washing, either hang them with pegs or lie them over your drying rack to avoid creases
Ironing	None, or just a light ironing will be necessary. Make sure your iron is not warmer than step 2 for wool. To protect the fabric you can steam the trousers holding the iron 5 cm from the fabric.

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Style informations

Style	b2
Designer	Rachel Kollerup
Size	36, 38, 40
Colour	Blue

Textile informations

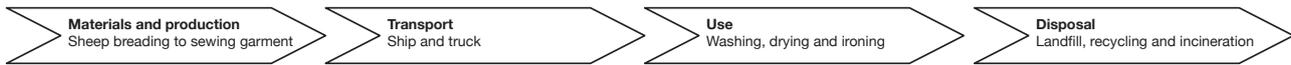
Quality	CO/LY/EA (68/30/2)
Fabric	ROYO YANG
Fabric origin:	Spain
Pockets	CO (100)
Lining origin	India
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	0%
Total weight	0,52 kg

Special features

Buttons	Metal, 1 pc
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Environmental profile

Life cycle of garment

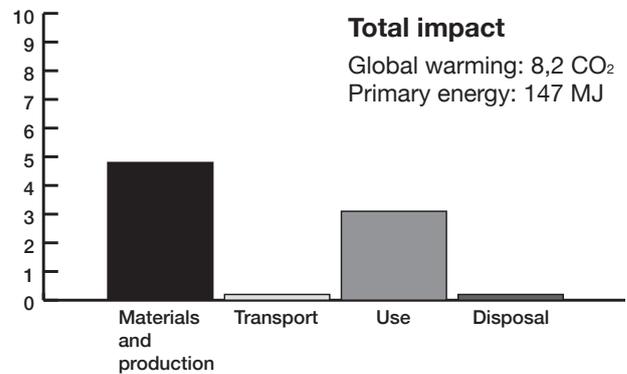


Environmental calculations and assumption

Lifetime	3,5 years
Days of use	80 per year
Cleaning method	16 washes and 8 ironings per year
End of life	0% recycled, 50% incinerated, 50% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO2 emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup jeans (style b2) is 8,2 kg. That is about the equivalent of:

52 km in a ordinary passenger car

46 one liter water bottles produced

2144 hours of illumination of the light bulb (10W)

2,4 years standby consumption from TV

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool with ensures minimal environmental impact from washing processes.

The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact.

Become more sustainable by...

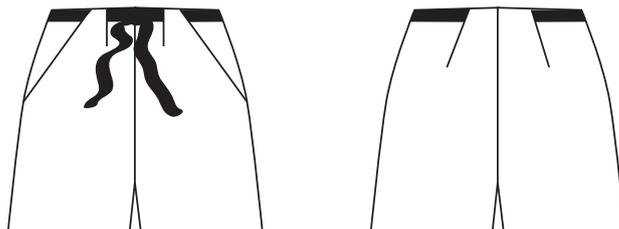
- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my jeans	Remove the stain with a damp cloth instead of washing
I have used my jeans a few times, but they are not visible dirty	Hang them outside overnight for airing
My jeans are visible dirty	Wash them in a mashine on 30 degrees
How to dry my jeans	Shake your jeans after washing, either hang them with pegs or lie them over your drying rack to avoid creases
Ironing	Make sure your iron is not warmer than step 2 level for wool fabric. To protect the fabric you can steam the jeans holding the iron 5 cm from the fabric. Ironing only needed after wash, as your body heat will naturally keep your dress unwrinkled

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Style informations

Style	b6a
Designer	Rachel Kollerup
Size	36, 38, 40
Colour	Black

Textile informations

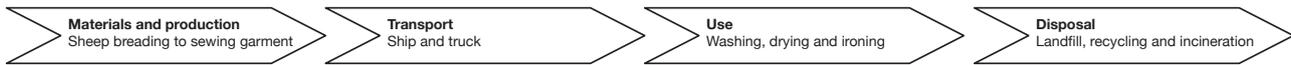
Quality	WO/PL/EA (49/53/2)
Fabric	Seidra ART 42970
Fabric origin:	Austria
Lining	No lining
Lining origin	-
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	0%
Total weight	0,17 kg

Special features

Belt	Gros grain, polyester
Zipper	Riri

Environmental profile

Life cycle of garment

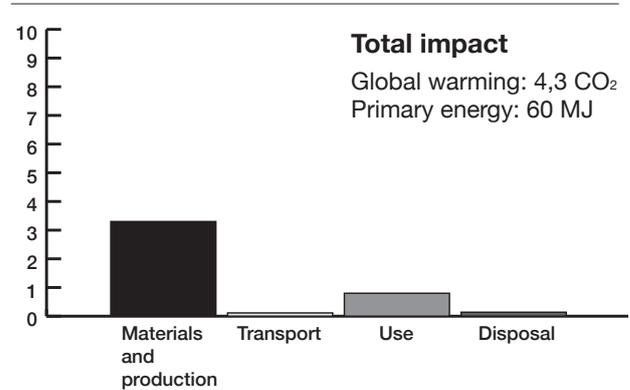


Environmental calculations and assumption

Lifetime	5 years
Days of use	24 per year
Cleaning method	6 washes and 3 ironings per year
End of life	0% recycled, 50% incinerated, 50% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO2 emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup shorts (style b6a) is 4,3 kg. That is about the equivalent of:

27 km in a ordinary passenger car

24 one liter water bottles produced

1113 hours of illumination of the light bulb (10W)

1,3 years standby consumption from TV

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool with ensures minimal environmental impact from washing processes.

The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact.

Become more sustainable by...

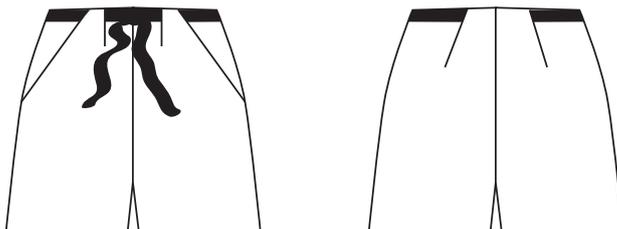
- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my shorts	Remove the stain with a damp cloth instead of washing
I have used my shorts a few times, but they are not visible dirty	Hang them outside overnight for airing
My shorts are visible dirty	Wash them in a mashine on 30 degrees
How to dry my shorts	Shake your shorts after washing, either hang them with pegs or lie them over your drying rack to avoid creases
Ironing	None, or just a light ironing will be necessary. Make sure your iron is not warmer than step 2 for wool. To protect the fabric you can steam the shorts holding the iron 5 cm from the fabric.

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Style informations

Style	b6b
Designer	Rachel Kollerup
Size	36, 38, 40
Colour	White

Textile informations

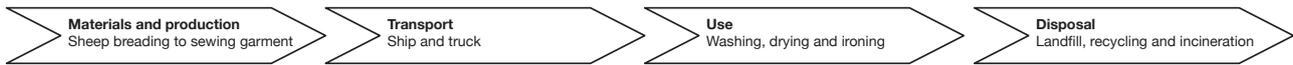
Quality	WO (100)
Fabric	Seidra Art. 2200
Fabric origin:	Austria
Lining	Acetate
Lining origin	-
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	0%
Total weight	0,17 kg

Special features

Belt	Gros grain, polyester
Zipper	Riri

Environmental profile

Life cycle of garment

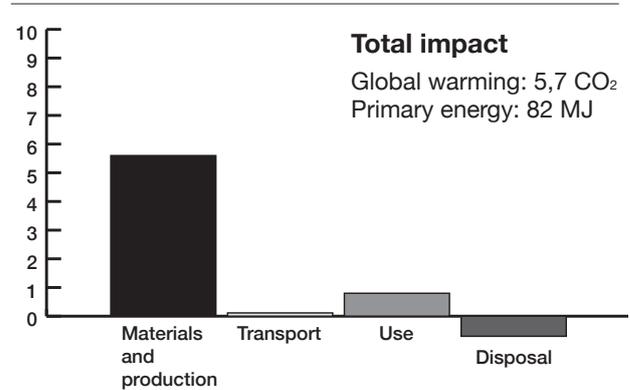


Environmental calculations and assumption

Lifetime	4 years
Days of use	12 per year
Cleaning method	3 dryclean and 3 ironings per year
End of life	40% recycled, 30% incinerated, 30% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO2 emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup shorts (style b6b) is 5,7 kg. That is about the equivalent of:

36 km in a ordinary passenger car

32 one liter water bottles produced

1489 hours of illumination of the light bulb (10W)

1,7 years standby consumption from TV

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool with ensures minimal environmental impact from washing processes.

The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact.

Become more sustainable by...

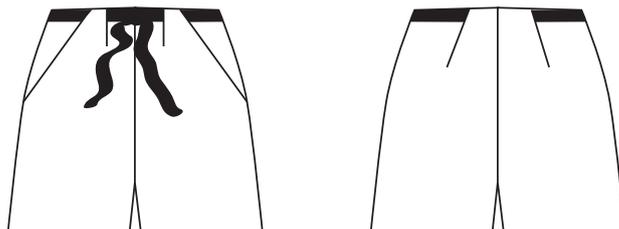
- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my shorts	Remove the stain with a damp cloth instead of washing
I have used my shorts a few times, but they are not visible dirty	Hang them outside overnight for airing
My shorts are visible dirty	To keep the shorts in the ultimate shape, they must be dry cleaned
How to dry my shorts	-
Ironing	None, or just a light ironing will be necessary. Make sure your iron is not warmer than step 2 for wool. To protect the fabric you can steam the shorts holding the iron 5 cm from the fabric.

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Style informations

Style	b6c
Designer	Rachel Kollerup
Size	36, 38, 40
Colour	Blue

Textile informations

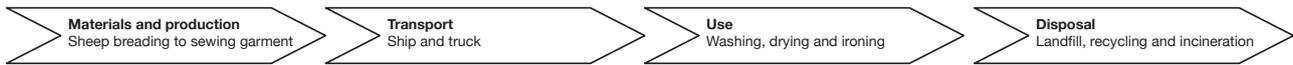
Quality	FLAX (100)
Fabric	Seidra ART 501813
Fabric origin:	Austria
Lining	No lining
Lining origin	-
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	0%
Total weight	0,12 kg

Special features

Belt	Gros grain, polyester
Zipper	Riri

Environmental profile

Life cycle of garment

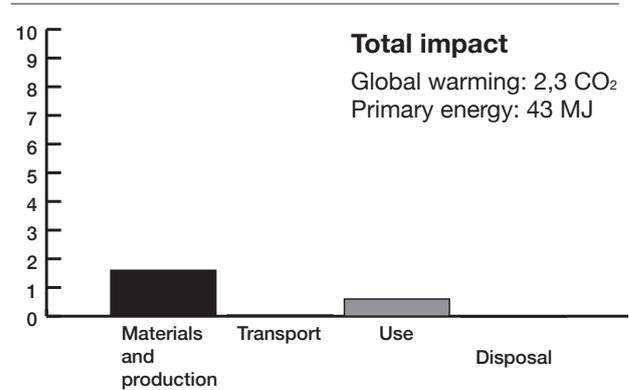


Environmental calculations and assumption

Lifetime	5 years
Days of use	30 per year
Cleaning method	6 washes and 3 ironings per year
End of life	40% recycled, 30% incinerated, 30% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO2 emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup shorts (style b6c) is 2,3 kg. That is about the equivalent of:

- 14 km in a ordinary passenger car
- 13 one liter water bottles produced
- 588 hours of illumination of the light bulb (10W)
- 0,7 years standby consumption from TV

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool with ensures minimal environmental impact from washing processes. The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact. Become more sustainable by...

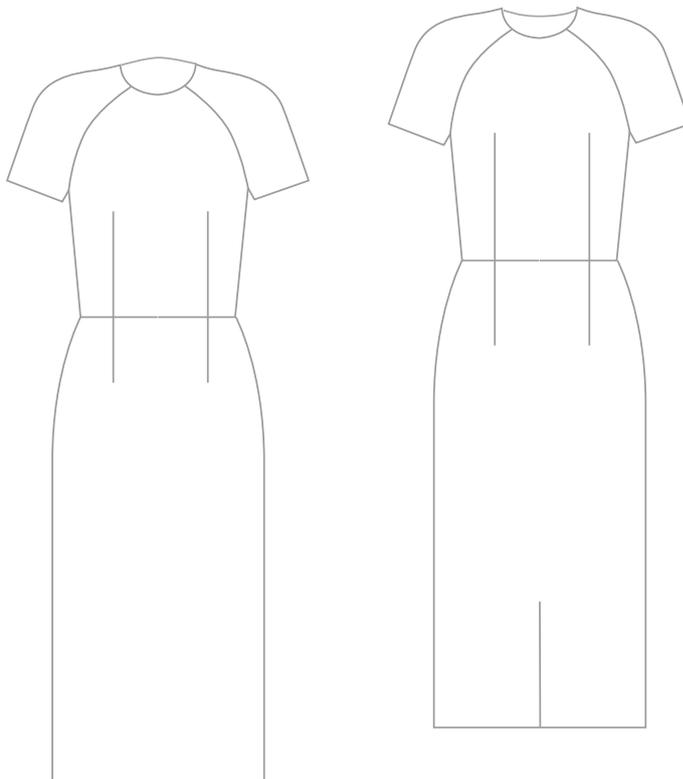
- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my shorts	Remove the stain with a damp cloth instead of washing
I have used my shorts a few times, but they are not visible dirty	Hang them outside overnight for airing
My shorts are visible dirty	Wash them in a mashine on 30 degrees
How to dry my shorts	Shake your shorts after washing, either hang them with pegs or lie them over your drying rack to avoid creases
Ironing	None, or just a light ironing will be necessary. Make sure your iron is not warmer than step 2 for wool.

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Style informations

Style	d1a
Designer	Rachel Kollerup
Size	36, 38, 40
Colour	Black

Textile informations

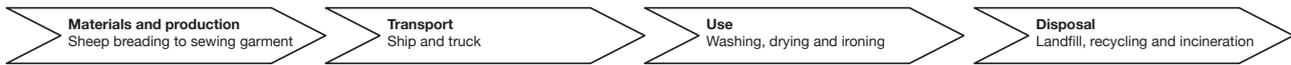
Quality	WO/PL/EA (49/53/2)
Fabric	Seidra ART 42970
Fabric origin:	Austria
Lining	No lining
Lining origin	-
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	0%
Total weight	0,37 kg

Special features

Piping	Satin ribbon
Zipper	YKK

Environmental profile

Life cycle of garment

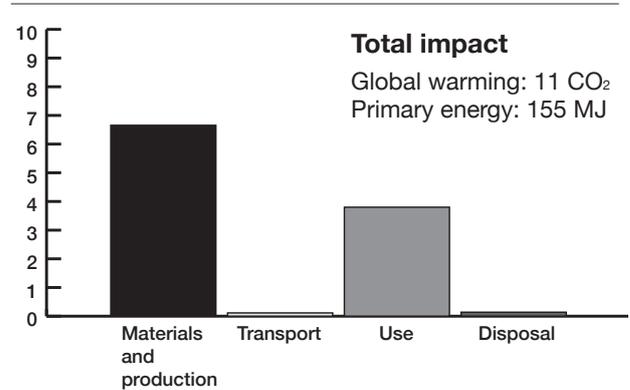


Environmental calculations and assumption

Lifetime	5 years
Days of use	48 per year
Cleaning method	16 washes and 8 ironings per year
End of life	0% recycled, 50% incinerated, 50% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO₂ emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup dress (style d1a) is 11 kg. That is about the equivalent of:

68 km in a ordinary passenger car

60 one liter water bottles produced

2794 hours hours of illumination of the light bulb (10W)

3,2 years standby consumption from TV

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool with ensures minimal environmental impact from washing processes.

The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact.

Become more sustainable by...

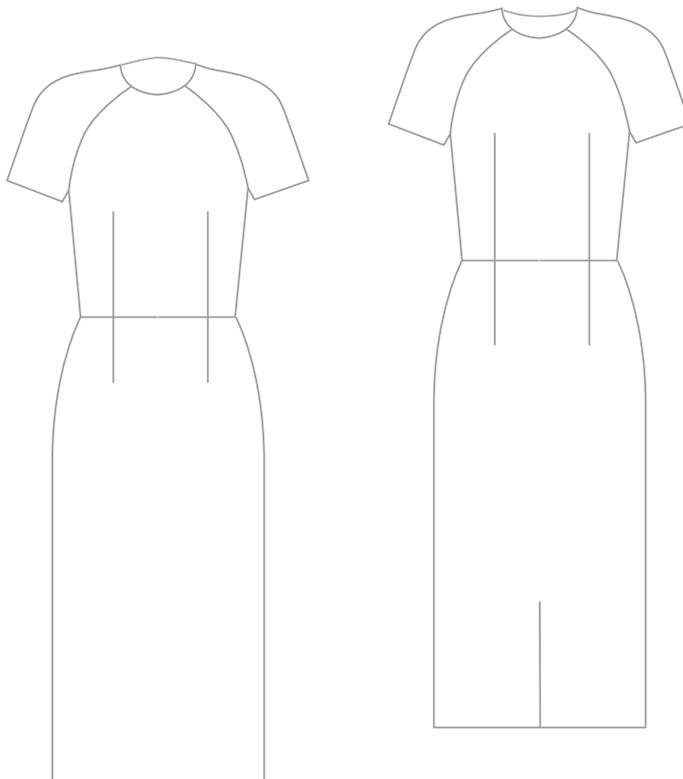
- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my dress	Remove the stain with a damp cloth instead of washing
I have used my dress a few times, but it is not visible dirty	Hang it outside overnight for airing
My dress is visible dirty	Wash it in a mashine on 30 degrees
How to dry my dress	Shake your dress after washing, either hang it with pegs or lie it over your drying rack to avoid creases
Ironing	None, or just a light ironing will be necessary. Make sure your iron is not warmer than step 2 for wool. To protect the fabric you can steam the dress holding the iron 5 cm from the fabric

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Style informations

Style	d1b
Designer	Rachel Kollerup
Size	36, 38, 40
Colour	Black

Textile informations

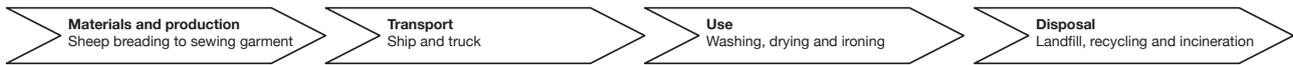
Quality	VW (100)
Fabric	Seidra ART 2230
Fabric origin:	Austria
Lining	Viscose
Lining origin	Unknown
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	0%
Total weight	0,36 kg

Special features

Zipper	YKK
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Environmental profile

Life cycle of garment

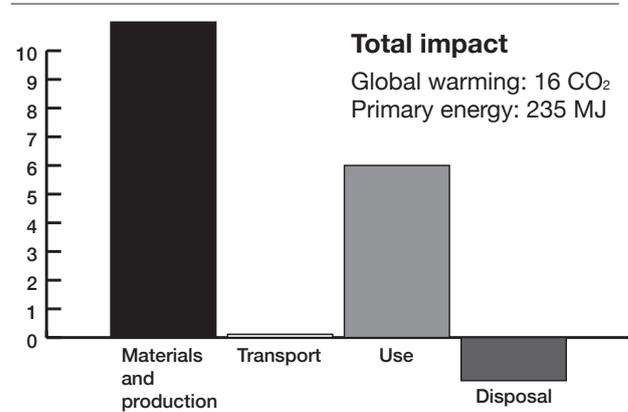


Environmental calculations and assumption

Lifetime	5 years
Days of use	48 per year
Cleaning method	8 dry clean and 12 ironings per year
End of life	40% recycled, 30% incinerated, 30% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO2 emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup dress (style b1b) is 16 kg. That is about the equivalent of:

99 km in a ordinary passenger car

87 one liter water bottles produced

4066 hours hours of illumination of the light bulb (10W)

4,6 years standby consumption from TV

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool with ensures minimal environmental impact from washing processes.

The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact.

Become more sustainable by...

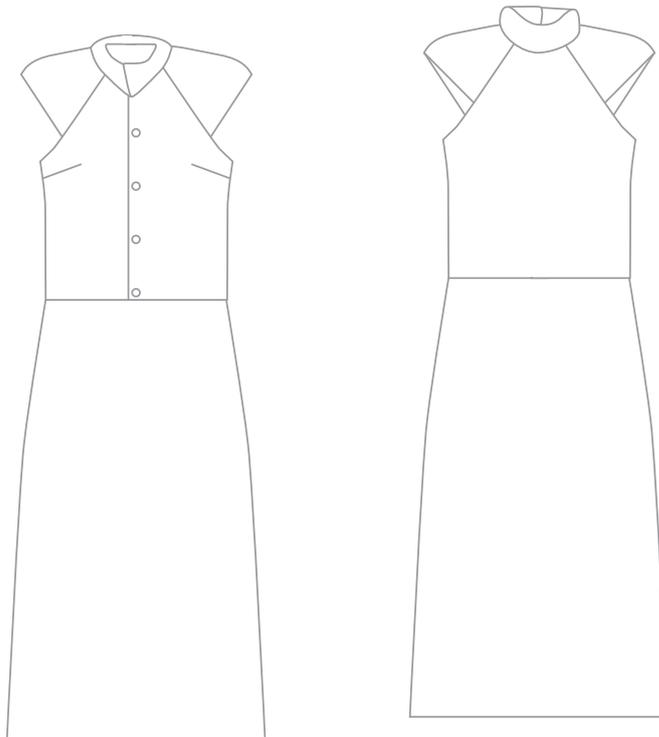
- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my dress	Remove the stain with a damp cloth instead of washing
I have used my dress a few times, but it is not visible dirty	Hang it outside overnight for airing
My dress is clearly dirty	To keep the dress in the ultimate shape, it must be dry cleaned
How to dry my dress	-
Ironing	None, or just a light ironing will be necessary. Make sure your iron is not warmer than step 2 for wool. To protect the fabric you can steam the dress holding the iron 5 cm from the fabric

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Style informations

Style	d2
Designer	Rachel Kollerup
Size	36, 38, 40
Colour	White

Textile informations

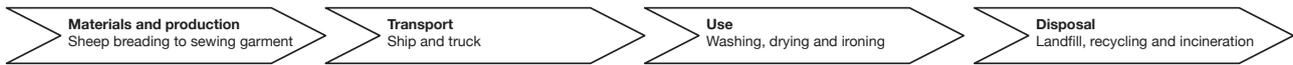
Quality	LY (100) TENCEL®
Fabric	ROYO SUDOKO-TOP-L
Fabric origin:	Spain
Lining	No lining
Lining origin	-
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	0%
Total weight	0,22 kg

Special features

Fabric	Non-colored/bleach
Buttons	Plastic, 5 pc

Environmental profile

Life cycle of garment

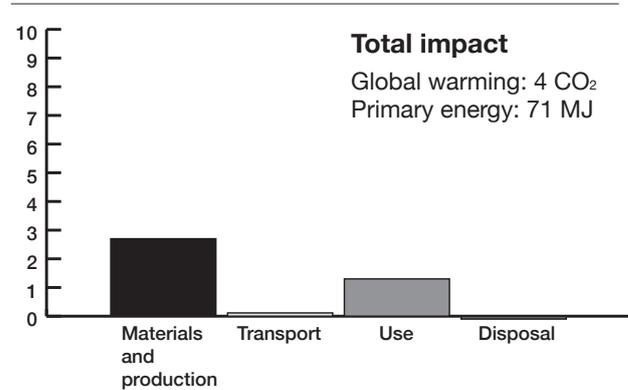


Environmental calculations and assumption

Lifetime	5 years
Days of use	12 per year
Cleaning method	6 washes and 6 ironings per year
End of life	40% recycled, 30% incinerated, 30% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO2 emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup dress (style d2) is 4 kg. That is about the equivalent of:

25 km in a ordinary passenger car

22 one liter water bottles produced

1038 hours hours of illumination of the light bulb (10W)

1,2 years standby consumption from TV

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool with ensures minimal environmental impact from washing processes.

The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact.

Become more sustainable by...

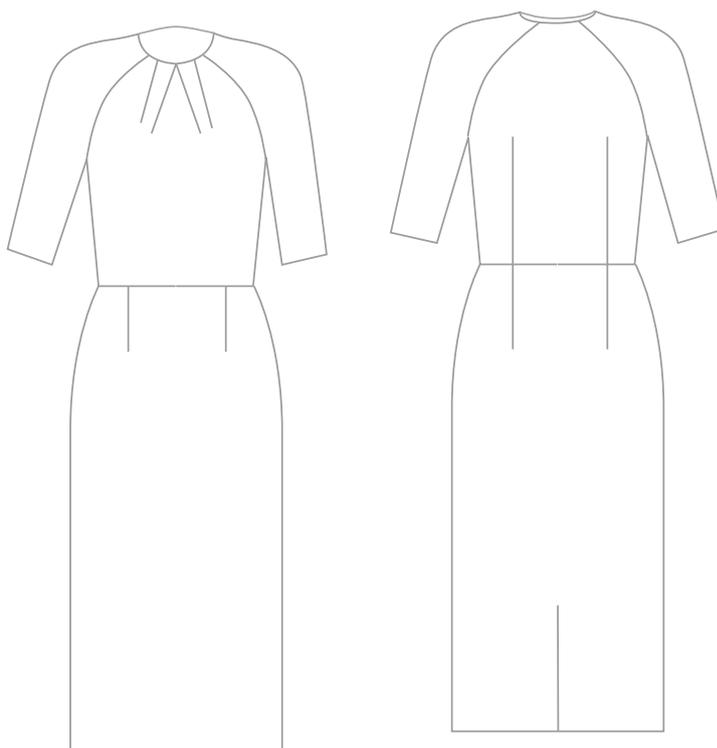
- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my dress	Remove the stain with a damp cloth instead of washing
I have used my dress a few times, but it is not visible dirty	Hang it outside overnight for airing
My dress is visible dirty	Wash it in a mashine on 30 degrees
How to dry my dress	Shake your dress after washing, either hang it with pegs or lie it over your drying rack to avoid creases
Ironing	Make sure your iron is not warmer than step 2 level for wool fabric. To protect the fabric you can steam the dress holding the iron 5 cm from the fabric. Ironing only needed after wash, as your body heat will naturally keep your dress unwrinkled

Rachel Kollerup is a sustainable Danish fashion brand, founded in the principle that style and respect for the environment go hand-in-hand. Rather than opting for traditional seasonal collections, Rachel Kollerup designs high-quality, timeless pieces which are meant to mix-and-match for a multitude of wardrobe combinations. Durability and versatility make for garments which can be worn over and over again, standing the test of time through both seasonal and style changes. All pieces in the Rachel Kollerup collection are designed with the complete life cycle of a garment in mind, with the designer herself aiming for total transparency from supply chain to manufacturing.

The environmental profile is based on a Life Cycle Assessment Screening using generic data from GaBi 6. All calculations are done by FORCE Technology, Department of Applied Environmental Assessment. For further information regarding the calculation, see separate background document.



Style informations

Style	d3a
Designer	Rachel Kollerup
Size	36, 38, 40
Colour	White

Textile informations

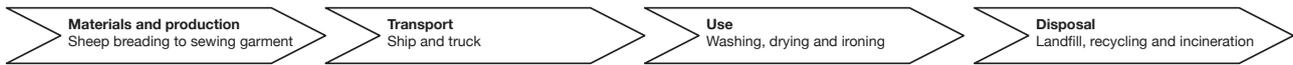
Quality	VW (100)
Fabric	Seidra ART 2200
Fabric origin:	Austria
Lining	Acetate
Lining origin	Unknown
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	0%
Total weight	0,35 kg

Special features

Zipper	YKK
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Environmental profile

Life cycle of garment

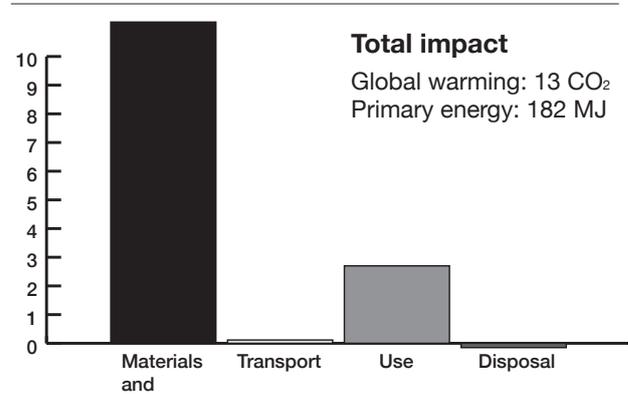


Environmental calculations and assumption

Lifetime	4 years
Days of use	12 per year
Cleaning method	6 dry clean and 3 ironings per year
End of life	40% recycled, 30% incinerated, 30% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO2 emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup dress (style d3a) is 13 kg. That is about the equivalent of:

- 79 km in a ordinary passenger car**
- 69 one liter water bottles produced**
- 3258 hours of illumination of the light bulb (10W)**
- 3,7 years standby consumption from TV**

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool with ensures minimal environmental impact from washing processes. The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact. Become more sustainable by...

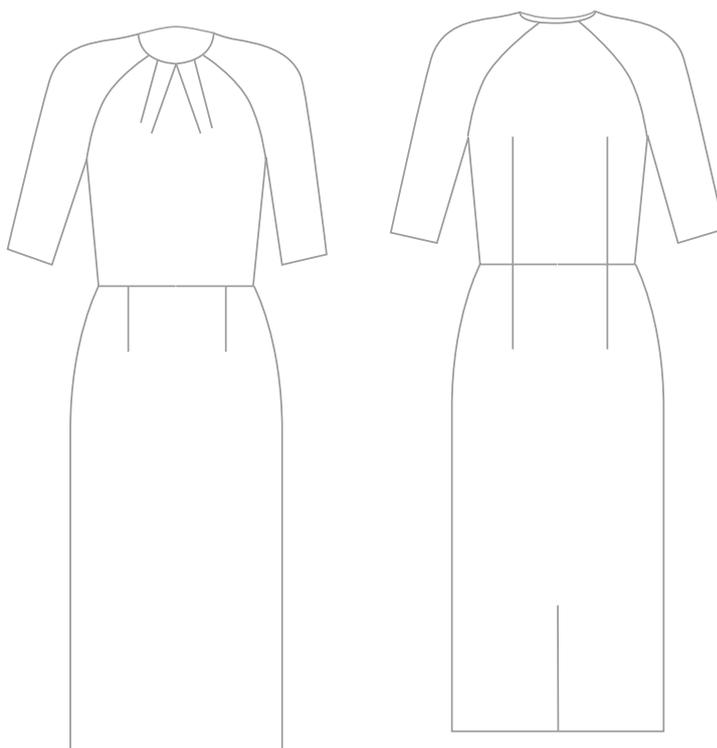
- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my dress	Remove the stain with a damp cloth instead of washing
I have used my dress a few times, but it is not visible dirty	Hang it outside overnight for airing
My dress is clearly dirty	To keep the dress in the ultimate shape, it must be dry cleaned
How to dry my dress	-
Ironing	None, or just a light ironing will be necessary. Make sure your iron is not warmer than step 2 for wool. To protect the fabric you can steam the dress holding the iron 5 cm from the fabric

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Style informations

Style	d3b
Designer	Rachel Kollerup
Size	36, 38, 40
Colour	Grey

Textile informations

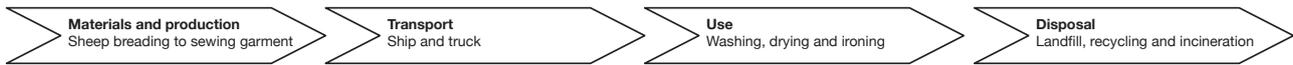
Quality	WO/PA/EA (74/24/2)
Fabric	ALFA-FI ART STACY
Fabric origin:	Italy
Lining	Viscose
Lining origin	Unknown
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	74%
Total weight	0,55 kg

Special features

Zipper	YKK
Metal buttons for cuffs	8 pc

Environmental profile

Life cycle of garment

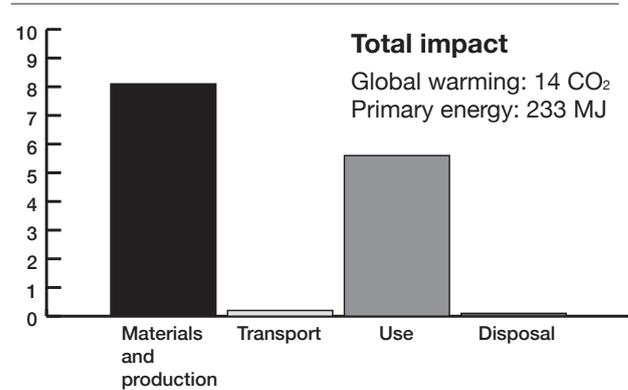


Environmental calculations and assumption

Lifetime	5 years
Days of use	48 per year
Cleaning method	6 dry clean and 6 ironings per year
End of life	0% recycled, 50% incinerated, 50% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO2 emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup dress (style d3b) is 14 kg. That is about the equivalent of:

88 km in a ordinary passenger car

77 one liter water bottles produced

3632 hours of illumination of the light bulb (10W)

4,1 years standby consumption from TV

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool with ensures minimal environmental impact from washing processes.

The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact.

Become more sustainable by...

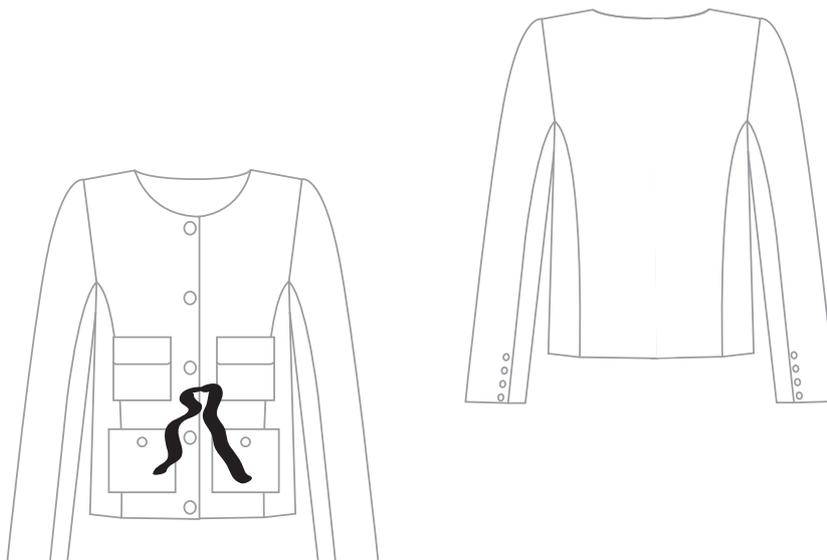
- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my dress	Remove the stain with a damp cloth instead of washing
I have used my dress a few times, but it is not visible dirty	Hang it outside overnight for airing
My dress is clearly dirty	To keep the dress in the ultimate shape, it must be dry cleaned
How to dry my dress	-
Ironing	None, or just a light ironing will be necessary. Make sure your iron is not warmer than step 2 for wool. To protect the fabric you can steam the dress holding the iron 5 cm from the fabric

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Style informations

Style	j1a
Designer	Rachel Kollerup
Size	36, 38, 40
Colour	White

Textile informations

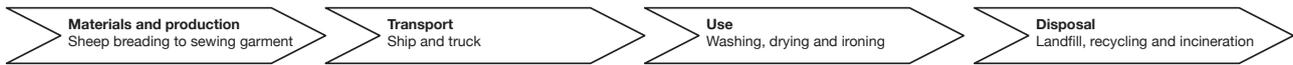
Quality	VW (100)
Fabric	Seidra ART 2200
Fabric origin:	Austria
Lining	Acetate
Lining origin	Unknown
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	0%
Total weight	0,33 kg

Special features

Belt	Gros Grain, polyester
Buttons	16 pc

Environmental profile

Life cycle of garment

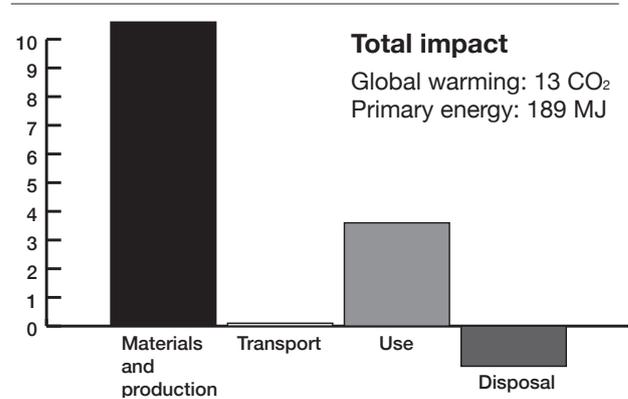


Environmental calculations and assumption

Lifetime	4,5 years
Days of use	84 per year
Cleaning method	8 dry clean and 6 ironings per year
End of life	40% recycled, 30% incinerated, 30% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO2 emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup jacket (style j1a) is 13 kg. That is about the equivalent of:

82 km in a ordinary passenger car

71 one liter water bottles produced

3349 hours of illumination of the light bulb (10W)

3,8 years standby consumption from TV

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool with ensures minimal environmental impact from washing processes.

The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact.

Become more sustainable by...

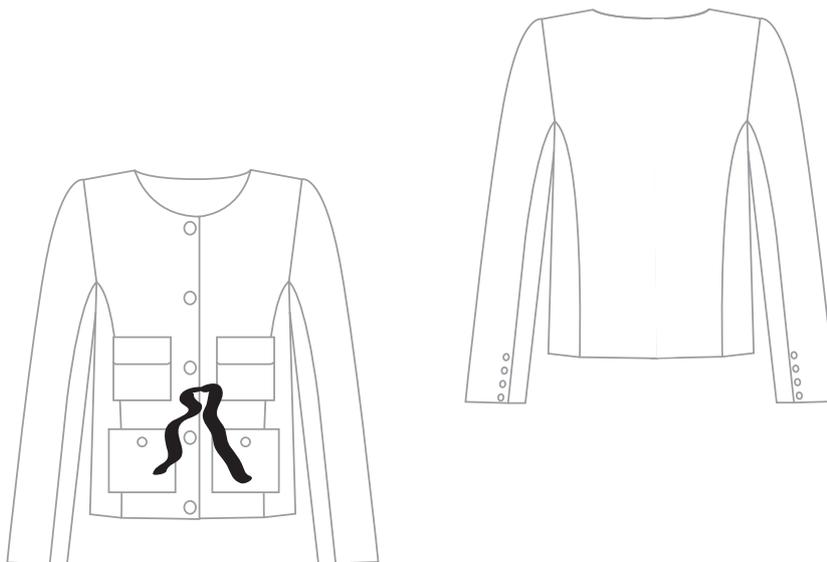
- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my jacket	Remove the stain with a damp cloth instead of washing
I have used my jacket a few times, but it is not visible dirty	Hang it outside overnight for airing
My jacket is clearly dirty	To keep the jacket in the ultimate shape, it must be dry cleaned
How to dry my jacket	-
Ironing	None, or just a light ironing will be necessary. Make sure your iron is not warmer than step 2 for wool. To protect the fabric you can steam the jacket holding the iron 5 cm from the fabric

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Style informations

Style	j1b
Designer	Rachel Kollerup
Size	36, 38, 40
Colour	Black

Textile informations

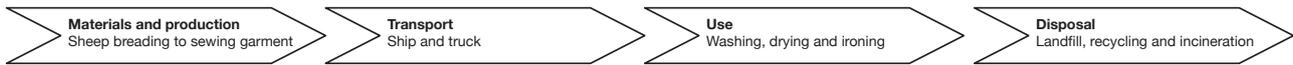
Quality	VW (100)
Fabric	Seidra ART 2230
Fabric origin:	Austria
Lining	Viscose
Lining origin	Unknown
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	0%
Total weight	0,45 kg

Special features

Belt	Gros Grain, polyester
Buttons	16 pc

Environmental profile

Life cycle of garment

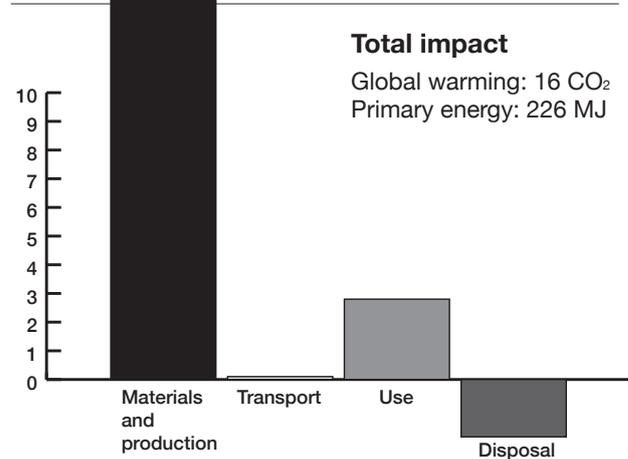


Environmental calculations and assumption

Lifetime	5,5 years
Days of use	84 per year
Cleaning method	4 dry clean and 6 ironings per year
End of life	40% recycled, 30% incinerated, 30% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO2 emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup jacket (style j1b) is 16 kg. That is about the equivalent of:

- 99 km in a ordinary passenger car
- 87 one liter water bottles produced
- 4055 hours of illumination of the light bulb (10W)
- 4,6 years standby consumption from TV

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool with ensures minimal environmental impact from washing processes. The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact. Become more sustainable by...

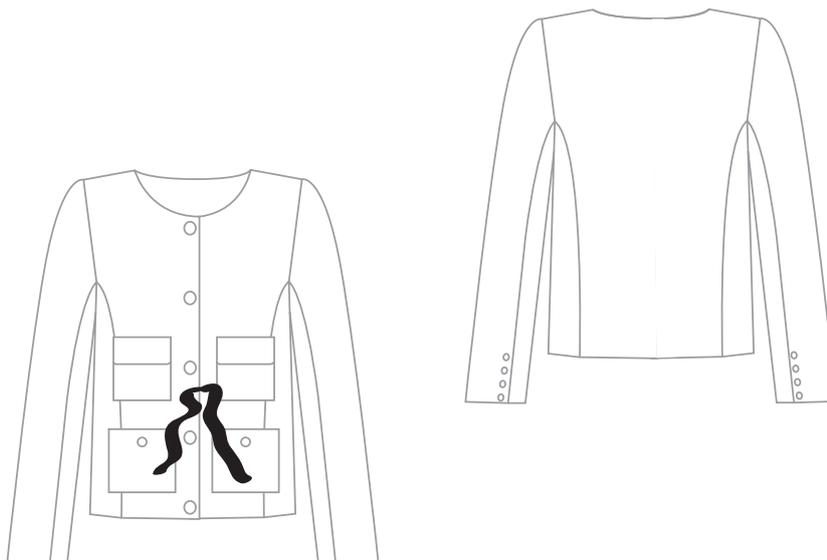
- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my jacket	Remove the stain with a damp cloth instead of washing
I have used my jacket a few times, but it is not visible dirty	Hang it outside overnight for airing
My jacket is clearly dirty	To keep the jacket in the ultimate shape, it must be dry cleaned
How to dry my jacket	-
Ironing	None, or just a light ironing will be necessary. Make sure your iron is not warmer than step 2 for wool. To protect the fabric you can steam the jacket holding the iron 5 cm from the fabric

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Style informations

Style	j1c
Designer	Rachel Kollerup
Size	36, 38, 40
Colour	Grey

Textile informations

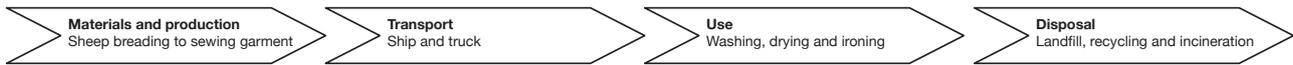
Quality	WO/PA/EA (74/24/2)
Fabric	ALFA-FI ART STACY
Fabric origin:	Italy
Lining	Viscose
Lining origin	Unknown
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	74%
Total weight	0,52 kg

Special features

Belt	Gros Grain, polyester
Buttons	16 pc

Environmental profile

Life cycle of garment

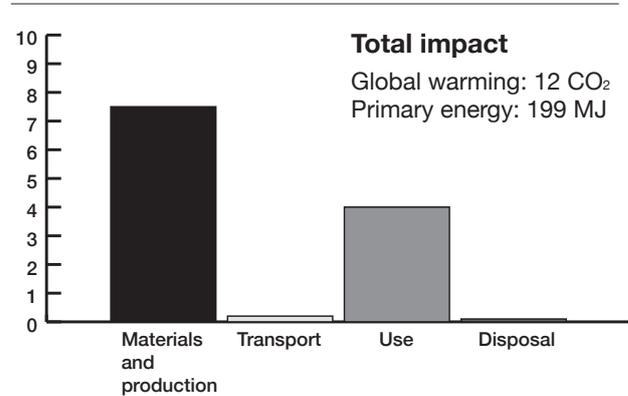


Environmental calculations and assumption

Lifetime	5,5 years
Days of use	84 per year
Cleaning method	4 dry clean and 6 ironings per year
End of life	0% recycled, 50% incinerated, 50% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO2 emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup jacket (style j1c) is 12 kg. That is about the equivalent of:

74 km in a ordinary passenger car

65 one liter water bottles produced

3056 hours of illumination of the light bulb (10W)

3,5 years standby consumption from TV

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool with ensures minimal environmental impact from washing processes.

The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact.

Become more sustainable by...

- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my jacket	Remove the stain with a damp cloth instead of washing
I have used my jacket a few times, but it is not visible dirty	Hang it outside overnight for airing
My jacket is clearly dirty	To keep the jacket in the ultimate shape, it must be dry cleaned
How to dry my jacket	-
Ironing	None, or just a light ironing will be necessary. Make sure your iron is not warmer than step 2 for wool. To protect the fabric you can steam the jacket holding the iron 5 cm from the fabric

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Style informations

Style	e1
Designer	Rachel Kollerup
Size	36, 38, 40
Colour	White

Textile informations

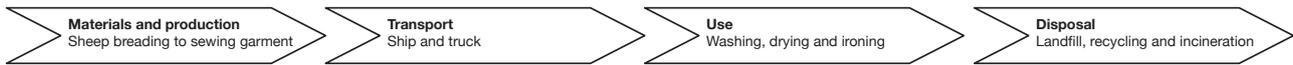
Quality	CO (100)
Fabric	-
Fabric origin:	India
Lining	-
Lining origin	-
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	0%
Total weight	0,01 kg

Special features

Piping	Satin ribbon
Buttons	Metal, 8 pc

Environmental profile

Life cycle of garment

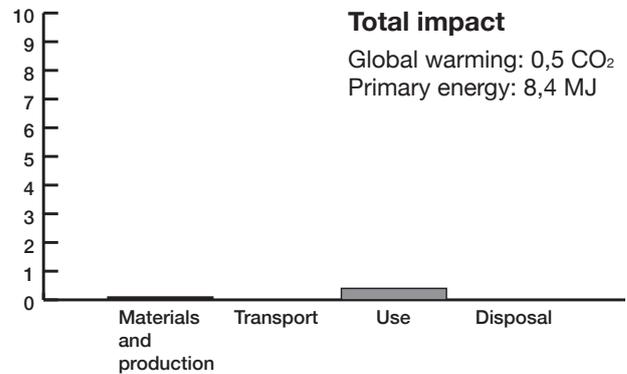


Environmental calculations and assumption

Lifetime	4 years
Days of use	20 per year
Cleaning method	10 washes and 5 ironings per year
End of life	50% recycled, 25% incinerated, 25% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO2 emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup collar and cuffs (style e1) is 0,5 kg. That is about the equivalent of:

3 km in a ordinary passenger car

3 one liter water bottles produced

130 hours of illumination of the light bulb (10W)

0,1 year standby consumption from TV

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool with ensures minimal environmental impact from washing processes.

The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact.

Become more sustainable by...

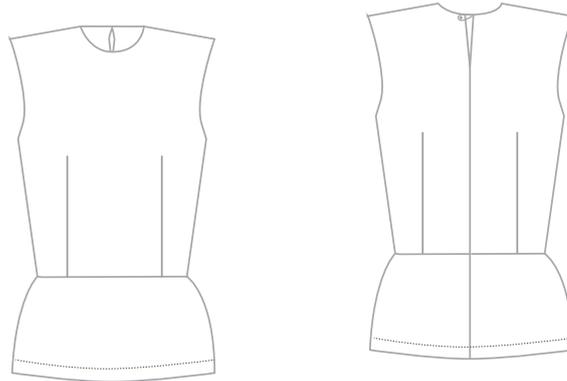
- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my collar or cuffs	Remove the stain with a damp cloth instead of washing
I have used my collar or cuffs a few times, but they are not visible dirty	Hang them outside overnight for airing
My collar or cuffs are visible dirty	Wash them in a mashine on 30 degrees
How to dry my collar and cuffs	Shake your collar and cuffs after washing, either hang them with pegs or lie them over your drying rack to avoid creases
Ironing	Make sure your iron is not warmer than step 2 level for wool fabric. To protect the fabric you can steam the collar and cuffs holding the iron 5 cm from the fabric

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Style informations

Style	t1
Designer	Rachel Kollerup
Size	36, 38, 40
Colour	Black

Textile informations

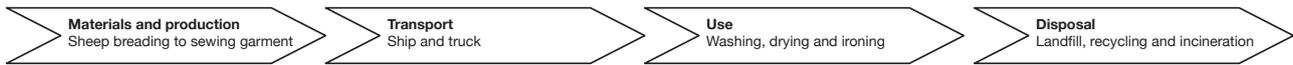
Quality	VI (100)
Fabric	Team-TEX c/1620
Fabric origin:	Italy
Lining	No lining
Lining origin	-
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	0%
Total weight	0,17 kg

Special features

Buttons	Plastic, 1 pc
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Environmental profile

Life cycle of garment

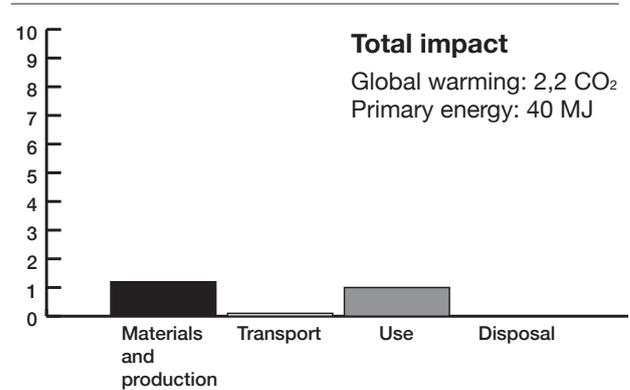


Environmental calculations and assumption

Lifetime	5 years
Days of use	30 per year
Cleaning method	10 washes and 5 ironings per year
End of life	40% recycled, 30% incinerated, 30% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO2 emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup top (style t1) is 2,2 kg. That is about the equivalent of:

- 14 km in a ordinary passenger car
- 12 one liter water bottles produced
- 578 hours of illumination of the light bulb (10W)
- 0,7 year standby consumption from TV

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool with ensures minimal environmental impact from washing processes. The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact. Become more sustainable by...

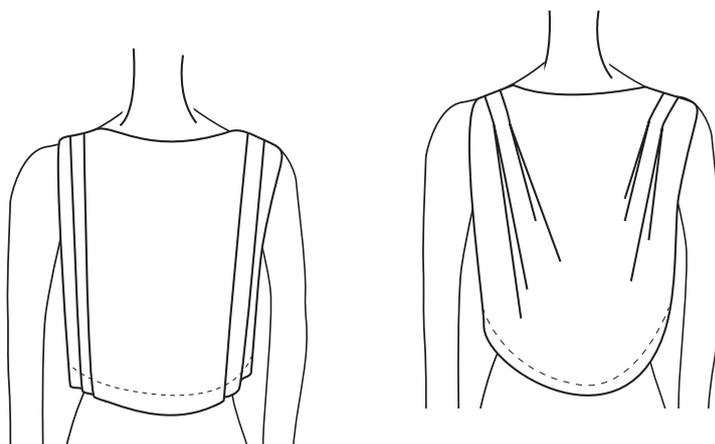
- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my top	Remove the stain with a damp cloth instead of washing
I have used my top a few times, but it is not visible dirty	Hang it outside overnight for airing
My top is visible dirty	Wash it in a mashine on 30 degrees
How to dry my top	Shake your top after washing, either hang it with pegs or lie them over your drying rack to avoid creases
Ironing	Make sure your iron is not warmer than step 2 level for wool fabric. To protect the fabric you can steam the top holding the iron 5 cm from the fabric. Ironing only needed after wash, as your body heat will naturally keep your dress unwrinkled

Rachel Kollerup is a sustainable Danish fashion brand, founded in the principle that style and respect for the environment go hand-in-hand. Rather than opting for traditional seasonal collections, Rachel Kollerup designs high-quality, timeless pieces which are meant to mix-and-match for a multitude of wardrobe combinations. Durability and versatility make for garments which can be worn over and over again, standing the test of time through both seasonal and style changes. All pieces in the Rachel Kollerup collection are designed with the complete life cycle of a garment in mind, with the designer herself aiming for total transparency from supply chain to manufacturing.

The environmental profile is based on a Life Cycle Assessment Screening using generic data from GaBi 6. All calculations are done by FORCE Technology, Department of Applied Environmental Assessment. For further information regarding the calculation, see separate background document.



Style informations

Style	t2
Designer	Rachel Kollerup
Size	s-m, m-l
Colour	Black

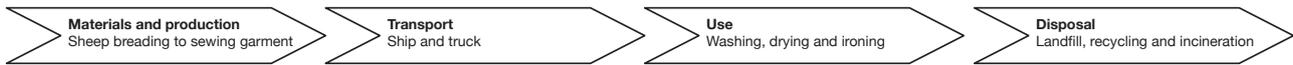
Textile informations

Quality	VI (100)
Fabric	Team-TEX c/1620
Fabric origin:	Italy
Lining	No lining
Lining origin	-
Stitching	Polyester
Sewing production location	OÜ PORTEX, Estonia
Percentage Recycled Materials	0%
Total weight	0,21 kg

Special features

Environmental profile

Life cycle of garment

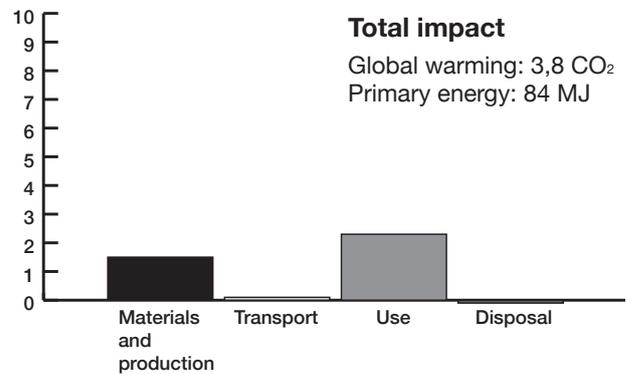


Environmental calculations and assumption

Lifetime	5 years
Days of use	30 per year
Cleaning method	10 washes and 5 ironings per year
End of life	40% recycled, 30% incinerated, 30% landfilled

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Global warming - kg CO2 emission



CO₂ emission for a the complete textile life cycle Rachel Kollerup top (style t2) is 3,8 kg. That is about the equivalent of:

24 km in a ordinary passenger car

21 one liter water bottles produced

998 hours of illumination of the light bulb (10W)

1,1 years standby consumption from TV

Environmental advantages of this design

The most prominent environmental attribute is the classic timeless design which ensures a long lifetime of the product. Another important advantage of this design is the self-cleaning feature of the wool with ensures minimal environmental impact from washing processes.

The durability of both the fabric and the sewing hinders early obsolescence.

How to minimise the environmental impact

The user of this design have a large influence on the overall environmental impact.

Become more sustainable by...

- Follow the cleaning advices below
- Wear it often and do not buy similar clothes
- Repair the clothes if needed
- Sell it or give it for charity when you need to dispose of it

When to wash

There is a stain on my top	Remove the stain with a damp cloth instead of washing
I have used my top a few times, but it is not visible dirty	Hang it outside overnight for airing
My top is visible dirty	Wash it in a mashine on 30 degrees
How to dry my top	Shake your top after washing, either hang it with pegs or lie them over your drying rack to avoid creases
Ironing	Make sure your iron is not warmer than step 2 level for wool fabric. To protect the fabric you can steam the top holding the iron 5 cm from the fabric. Ironing only needed after wash, as your body heat will naturally keep your dress unwrinkled

Environmental profile

Life cycle assessment – Screening

- Background document for the LCA-screening of fashion collection by Rachel Kollerup.

Purpose

The study was initiated by Rachel Kollerup in 2013 with FORCE Technology as consultants. The background for the study was an interest in being able to document the environment properties of the fashion collection in a life cycle perspective. Another aim was to be able to redesign the fashion collection on the basis of the results in order to environmentally improve the collection.

Environmental assessment method

Life Cycle Assessment (LCA) is a method to assess the potential environmental impacts and resources used throughout a product's life from raw material acquisition through production, transport and use to end of life treatment. This LCA-screening follows the basic principles of the ISO 14040 and 14044 standards on LCA, but does not comply with the standard when it comes to reporting. In relation to the recycling and incineration of the textiles a consequential approach have been applied, giving credit for avoided production of materials and energy.

The study focuses on climate change and primary energy demand. Other important impact categories in relation to textiles are toxicity and water usage but because of lack of quality datasets and lack of exact knowledge on production methods these categories have been left out.

The calculation tool and data sources in the GaBi 6 database has been used. The datasets used are of high quality and represent some of the best data available. The majority of the data sources are under five years old, but some are up to 12 years. They are, however, still considered to be of good quality. The results in the product sheets are given in kg of CO₂-equivalent and in MJ of primary energy demand from renewable and non-renewable resources.

System boundaries and assumptions

The following processes are included in the study:

- Textile production - from oil or field to the woven fabric.
- Production of the garment including production waste.
- Electricity and water use doing use for washing, dry cleaning and ironing.
- Waste incineration, landfill and recycling. Recycling is modelled as replacement of wipers, virgin wool and virgin steel.

Life cycle of garment



The following assumption are made:

All garments in the collection induce a 10% generation of textile waste during their production

All garments are transported 500 km by truck and 20000 km by containership.

The lifetime and use related actions e.g. frequency of washing, dry cleaning, drying etc. are assessed on the basis of a short questionnaire conducted in spring 2014 with a total of 31 respondents.

Because of lack of available information, processes for dyeing of fabric and specific sewing processes have been left out.

When disposed off it is assumed that 40% of single material fabric are recycled, 30% incinerated and 30% ends up on foreign landfills (after been donated for charity and sold in eastern Europe or Africa). Composite materials like wool/synthetics blends are assumed not to be recycled but ends up 50% in incineration and 50% landfills.

Assessment of validity of results and limits for the use of the results

The results are valid in order to give the customer an indication of the magnitude of some of the environmental impacts of the garment.

The results are very dependent on the different assumptions made in the use and disposal phase. The environmental impacts can therefore vary significantly from customer to customer, and the results in the product sheets shall be interpreted as qualified averages for garments of this type.

The calculations are based on generic data for the fabrics and productions and can not be used to compare this collection with calculations made on other garments.

The results can not be used for marketing of this collection as environmental superior compared to other garments.