

MEET KAROLINE



FROM WASTE TO VALUE
Say “YES” to upcycling

EN 1729-1:2015
EN 1729-2:2015

Functional dimensions
Safety requirements



Furniture – Chairs and tables for educational institutions

 **UPCYCLING**
SCANDINAVIA

Upcycling Scandinavia

upcyclingscandinavia.com



UPCYCLING
SCANDINAVIA

WE TURN WASTE INTO VALUE

We design, manufacture, and sell products made from upcycled materials.

Our endeavours are based on core values, such as sustainability, circular economy, recycling, local cooperation, and sharing know-how in general.

We want to expand the boundaries of what is possible in sustainable manufacturing today. We believe that this will benefit the environment and manufacturing methods of the future.

We want to meet the needs of the present without compromising the ability of future generations to meet theirs. That is why our products are reusable.

We don't want to compromise on this! Which is why we have devoted our efforts to designing, producing, and selling products, consisting of approx. 98% upcycled plastic. These are valuable resources, that would otherwise have been burned or buried in landfills.

Our take on this, is to use innovative production methods, that, not only, upcycle waste, but also involve rethinking our use of energy and manpower, to enable us to make the very best of the world's resources.

To us, sustainability is a co-creating process between many front-running partners and a collective responsibility. Sharing is caring, and we continue to build and share our knowledge about upcycling. Our aim is to serve and to inspire businesses to adopt and inhabit a "greener attitude".

We invite everyone to join us in our efforts to work towards a future, with better use of our collective resources.



KAROLINE

Medium



DESIGNED FOR PRACTICALITY

- Designed for children (5-10 years)
- Approved for educational use
- Stackable
- Linkable
- Suspendable
- Durable and light-weight
- Easy to clean
- Hook for outerwear and bags
- Available with matte black or silver base

CLIMATE SMART

- Produced locally in Denmark
- Molded from recycled plastic (PP)
- Upcycles 1,3 kg of waste per chair
- Recyclable
- 3,12 kg of CO2 saved per chair



SPECIFICATIONS

Seating height	35 cm	38 cm
Seat width	36 cm	36 cm
Seat depth	34 cm	36 cm
Leg spacing	43,5 cm	
Weight	4,3 kg	4,3 kg

Upcycled plastic per chair	1,3 kg	1,3 kg
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Cleaning:

Damp cloth with acid-free soap or steam.

Colors may vary, as we, naturally, do not bleach our recycled materials.

AVAILABLE IN TWO SIZES

ARTICLE NUMBER

Height	35 cm		38 cm	
Base	Matte black	Silver	Matte black	Silver
Black	022102	022140	022020	022040
Grey	022103	022141	022021	022041
Green	022104	022142	022022	022042
White	022105	022143	022023	022043
Blue	022106	022144	022024	022044
Red	022107	022145	022025	022045

Contact us for other color options

EN 1729-1:2015
EN 1729-2:2015

Functional dimensions
Safety requirements



UPCYCLING
SCANDINAVIA

KAROLINE

Medium w. cushion



DESIGNED FOR PRACTICALITY

- Designed for children (5-10 years)
- Approved for educational use
- Stackable
- Linkable
- Suspendable
- Durable and light-weight
- Easy to clean
- Hook for outerwear and bags
- Available with matte black or silver base
- Mounted cushion made from upcycled materials

CLIMATE SMART

- Produced locally in Denmark
- Molded from recycled plastic (PP)
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SPECIFICATIONS

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Leg spacing	43,5 cm	
Weight	4,3 kg	4,3 kg

Upcycled plastic per chair	1,3 kg	1,3 kg
----------------------------	--------	--------

Cleaning:

Damp cloth with acid-free soap or steam.

Colors may vary, as we, naturally, do not bleach our recycled materials.

AVAILABLE IN TWO SIZES

ARTICLE NUMBER

Height	35 cm		38 cm	
	Matte black	Silver	Matte black	Silver
Black	022160	022180	022060	022080
Grey	022161	022181	022061	022081
Green	022162	022182	022062	022082
White	022163	022183	022063	022083
Blue	022164	022184	022064	022084
Red	022165	022185	022065	022085

Contact us for other color options

EN 1729-1:2015
EN 1729-2:2015

Functional dimensions
Safety requirements



Furniture – Chairs and tables for educational institutions



UPCYCLING
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KAROLINE

Large



DESIGNED FOR PRACTICALITY

- Designed for older children & adults
- Approved for educational use
- Stackable
- Linkable
- Suspendable
- Durable and light-weight
- Easy to clean
- Hook for outerwear and bags
- Available with matte black or silver base

CLIMATE SMART

- Produced locally in Denmark
- Molded from recycled plastic (PP)
- Upcycles 1,9 kg of waste per chair
- Recyclable
- 5,7 kg of CO2 saved per chair



SPECIFICATIONS

Seating height	43 cm	46 cm
Seat width	42 cm	42 cm
Seat depth	40 cm	40 cm
Leg spacing	49,5 cm	
Weight	5,3 kg	5,3 kg

Upcycled plastic per chair 1,9 kg 1,9 kg

Cleaning:

Damp cloth with acid-free soap or steam.

Colors may vary, as we, naturally, do not bleach our recycled materials.

AVAILABLE IN TWO SIZES

ARTICLE NUMBER

Height	43 cm		46 cm	
Base	Matte black	Silver	Matte black	Silver
Black	022096	022150	022030	022050
Grey	022097	022151	022031	022051
Green	022098	022152	022032	022052
White	022099	022153	022033	022053
Blue	022100	022154	022034	022054
Red	022101	022155	022035	022055

Contact us for other color options

EN 1729-1:2015
EN 1729-2:2015

Functional dimensions
Safety requirements



KAROLINE

Large w. cushion



DESIGNED FOR PRACTICALITY

- Designed for older children & adults
- Approved for educational use
- Stackable
- Linkable
- Suspendable
- Durable and light-weight
- Easy to clean
- Hook for outerwear and bags
- Available with matte black or silver base
- Mounted cushion made from upcycled materials

CLIMATE SMART

- Produced locally in Denmark
- Molded from recycled plastic (PP)
- Upcycles 1,9 kg of waste per chair
- Recyclable
- 5,7 kg of CO2 saved per chair



SPECIFICATIONS

Seating height	43 cm	46 cm
Seat width	42 cm	42 cm
Seat depth	40 cm	40 cm
Leg spacing	49,5 cm	
Weight	5,3 kg	5,3 kg

Upcycled plastic per chair 1,9 kg 1,9 kg

Cleaning:

Damp cloth with acid-free soap or steam.

Colors may vary, as we, naturally, do not bleach our recycled materials.

AVAILABLE IN TWO SIZES

ARTICLE NUMBER

Height	43 cm		46 cm	
Base	Matte black	Silver	Matte black	Silver
Black	022170	022190	022070	022090
Grey	022171	022191	022071	022091
Green	022172	022192	022072	022092
White	022173	022193	022073	022093
Blue	022174	022194	022074	022094
Red	022175	022195	022075	022095

Contact us for other color options

EN 1729-1:2015
EN 1729-2:2015

Functional dimensions
Safety requirements



Furniture – Chairs and tables for educational institutions





KAROLINE

Medium - C-base



DESIGNED FOR PRACTICALITY

- Designed for children (5-10 years)
- Approved for educational use
- Stackable
- Linkable
- Suspendable
- Durable and light-weight
- Easy to clean
- Hook for outerwear and bags
- Available with matte black or silver base

CLIMATE SMART

- Produced locally in Denmark
- Molded from recycled plastic (PP)
- Upcycles 1,3 kg of waste per chair
- Recyclable
- 3,12 kg of CO2 saved per chair



SPECIFICATIONS

Seating height	35 cm	38 cm
Seat width	36 cm	36 cm
Seat depth	34 cm	36 cm
Leg spacing	43,5 cm	
Weight	4,3 kg	4,3 kg

Upcycled plastic per chair 1,3 kg 1,3 kg

Cleaning:
Damp cloth with acid-free soap or steam.

Colors may vary, as we, naturally, do not bleach our recycled materials.

AVAILABLE IN TWO SIZES

ARTICLE NUMBER

Height	35 cm		38 cm	
	Matte black	Silver	Matte black	Silver
Black	022400	022424	022406	022430
Grey	022401	022425	022407	022431
Green	022402	022426	022408	022432
White	022403	022427	022409	022433
Blue	022404	022428	022410	022434
Red	022405	022429	022410	022435

Contact us for other color options

EN 1729-1:2015
EN 1729-2:2015

Functional dimensions
Safety requirements



KAROLINE

Medium - C-base
w. cushion



DESIGNED FOR PRACTICALITY

- Designed for children (5-10 years)
- Approved for educational use
- Stackable
- Linkable
- Suspendable
- Durable and light-weight
- Easy to clean
- Hook for outerwear and bags
- Available with matte black or silver base
- Mounted cushion made from recycled materials

CLIMATE SMART

- Produced locally in Denmark
- Molded from recycled plastic (PP)
- Upcycles 1,3 kg of waste per chair
- Recyclable
- 3,12 kg of CO2 saved per chair



SPECIFICATIONS

Seating height	35 cm	38 cm
Seat width	36 cm	36 cm
Seat depth	34 cm	36 cm
Leg spacing	43,5 cm	
Weight	4,3 kg	4,3 kg

Upcycled plastic per chair 1,3 kg 1,3 kg

Cleaning:
Damp cloth with acid-free soap or steam.

Colors may vary, as we, naturally, do not bleach our recycled materials.

AVAILABLE IN TWO SIZES

ARTICLE NUMBER

Height	35 cm		38 cm	
	Matte black	Silver	Matte black	Silver
Black	022400	022424	022406	022430
Grey	022401	022425	022407	022431
Green	022402	022426	022408	022432
White	022403	022427	022409	022433
Blue	022404	022428	022410	022434
Red	022405	022429	022410	022435

Contact us for other color options

EN 1729-1:2015
EN 1729-2:2015

Functional dimensions
Safety requirements





KAROLINE

Large - C-base



DESIGNED FOR PRACTICALITY

- Designed for older children and adults
- Approved for educational use
- Stackable
- Linkable
- Suspendable
- Durable and light-weight
- Easy to clean
- Hook for outerwear and bags
- Available with matte black or silver base

CLIMATE SMART

- Produced locally in Denmark
- Molded from recycled plastic (PP)
- Upcycles 1,9 kg of waste per chair
- Recyclable
- 5,7 kg of CO2 saved per chair



SPECIFICATIONS

Seating height	43 cm	46 cm
Seat width	42 cm	42 cm
Seat depth	40 cm	40 cm
Leg spacing	49,5 cm	
Weight	5,3 kg	5,3 kg

Upcycled plastic per chair	1,9 kg	1,9 kg
----------------------------	--------	--------

Cleaning:
Damp cloth with acid-free soap or steam.

Colors may vary, as we, naturally, do not bleach our recycled materials.

AVAILABLE IN TWO SIZES

ARTICLE NUMBER

Height	43 cm		46 cm	
	Matte black	Silver	Matte black	Silver
Black	022412	022436	022418	022442
Grey	022413	022437	022419	022443
Green	022414	002438	022420	022444
White	022415	022439	022421	022445
Blue	022416	022440	022422	022446
Red	022417	022441	022423	022447

Contact us for other color options

EN 1729-1:2015
EN 1729-2:2015

Functional dimensions
Safety requirements



Furniture – Chairs and tables for educational institutions



KAROLINE

Large - C-base w.
cushion



DESIGNED FOR PRACTICALITY

- Designed for older children and adults
- Approved for educational use
- Stackable
- Linkable
- Suspendable
- Durable and light-weight
- Easy to clean
- Hook for outerwear and bags
- Available with matte black or silver base
- Mounted cushion made from upcycled materials

CLIMATE SMART

- Produced locally in Denmark
- Molded from recycled plastic (PP)
- Upcycles 1,9 kg of waste per chair
- Recyclable
- 5,7 kg of CO2 saved per chair



SPECIFICATIONS

Seating height	43 cm	46 cm
Seat width	42 cm	42 cm
Seat depth	40 cm	40 cm
Leg spacing	49,5 cm	
Weight	5,3 kg	5,3 kg

Upcycled plastic per chair 1,9 kg 1,9 kg

Cleaning:
Damp cloth with acid-free soap or steam.

Colors may vary, as we, naturally, do not bleach our recycled materials.

AVAILABLE IN TWO SIZES

ARTICLE NUMBER

Height	43 cm		46 cm	
	Matte black	Silver	Matte black	Silver
Black	022448	022460	022454	022466
Grey	022449	022461	022455	022467
Green	022450	022462	022456	022468
White	022451	022463	022457	022469
Blue	022452	022464	022458	022470
Red	022453	022465	022459	022471

Contact us for other color options

EN 1729-1:2015
EN 1729-2:2015

Functional dimensions
Safety requirements



Furniture – Chairs and tables for educational institutions



UPCYCLING
SCANDINAVIA

KAROLINE

Medium - office chair



DESIGNED FOR PRACTICALITY

- Designed for children (5-10 years)
- Approved for educational use
- Stackable
- Suspendable
- Durable and light-weight
- Easy to clean
- Hook for outerwear and bags
- Available in matte black and silver base

CLIMATE SMART

- Produced locally in Denmark
- Molded from recycled plastic (PP)
- Upcycles 1,3 kg of waste per chair
- Recyclable
- 3,12 kg of CO2 saved per chair



SPECIFICATIONS

Seating height	39-82 cm
Seat width	36 cm
Seat depth	34 cm

Weight	7 kg
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Upcycled plastic per chair	1,3 kg
----------------------------	--------

Cleaning:
Damp cloth with acid-free soap or steam.

Colors may vary, as we, naturally, do not bleach our recycled materials.

ARTICLE NUMBER

Height	50-70 cm	50-70 cm
Base	Aluminium	Black
Black	022540	022520
Grey	Contact us	Contact us
Green	Contact us	Contact us
White	Contact us	Contact us
Blue	Contact us	Contact us
Red	Contact us	Contact us

Contact us for other color options

EN 1729-1:2015
EN 1729-2:2015

Functional dimensions
Safety requirements



Furniture – Chairs and tables for educational institutions



UPCYCLING
SCANDINAVIA

KAROLINE

Medium - office chair
w. cushion



DESIGNED FOR PRACTICALITY

- Designed for children (5-10 years)
- Approved for educational use
- Stackable
- Suspendable
- Durable and light-weight
- Easy to clean
- Hook for outerwear and bags
- Available in matte black and silver base

CLIMATE SMART

- Produced locally in Denmark
- Molded from recycled plastic (PP)
- Upcycles 1,3 kg of waste per chair
- Recyclable
- 3,12 kg of CO2 saved per chair



SPECIFICATIONS

Seating height	39-82 cm
Seat width	36 cm
Seat depth	34 cm
Weight	7 kg
Upcycled plastic per chair	1,3 kg
Cleaning:	
Damp cloth with acid-free soap or steam.	

Colors may vary, as we, naturally, do not bleach our recycled materials.

ARTICLE NUMBER

Height	50-70 cm	50-70 cm
Base	Aluminium	Black
Black	022580	022560
Grey	Contact us	Contact us
Green	Contact us	Contact us
White	Contact us	Contact us
Blue	Contact us	Contact us
Red	Contact us	Contact us

Contact us for other color options

EN 1729-1:2015
EN 1729-2:2015

Functional dimensions
Safety requirements



KAROLINE

Large - office chair



DESIGNED FOR PRACTICALITY

- Designed for older children and adults
- Approved for educational use
- Suspendable
- Durable and light-weight
- Easy to clean
- Hook for outerwear and bags
- Available in matte black and silver base

CLIMATE SMART

- Produced locally in Denmark
- Molded from recycled plastic (PP)
- Upcycles 1,9 kg of waste per chair
- Recyclable
- 5,7 kg of CO2 saved per chair



SPECIFICATIONS

Seating height	39-82 cm
Seat width	42 cm
Seat depth	40 cm
Weight	7,7 kg
Upcycled plastic per chair	1,9 kg
Cleaning:	
Damp cloth with acid-free soap or steam.	
Colors may vary, as we, naturally, do not bleach our recycled materials.	

ARTICLE NUMBER

Height	50-70 cm	50-70 cm
Base	Aluminium	Black
Black	022550	022530
Grey	Contact us	Contact us
Green	Contact us	Contact us
White	Contact us	Contact us
Blue	Contact us	Contact us
Red	Contact us	Contact us

Contact us for other color options

EN 1729-1:2015
EN 1729-2:2015

Functional dimensions
Safety requirements



KAROLINE

Large - office chair w.
cushion



DESIGNED FOR PRACTICALITY

- Designed for older children and adults
- Approved for educational use
- Suspendable
- Durable and light-weight
- Easy to clean
- Hook for outerwear and bags
- Available in matte black and silver base
- Mounted cushion made from recycled materials

CLIMATE SMART

- Produced locally in Denmark
- Molded from recycled plastic (PP)
- Upcycles 1,9 kg of waste per chair
- Recyclable
- 5,7 kg of CO2 saved per chair



SPECIFICATIONS

Seating height	39-82 cm
Seat width	42 cm
Seat depth	40 cm
Weight	7,7 kg
Upcycled plastic per chair	1,9 kg
Cleaning:	
Damp cloth with acid-free soap or steam.	

Colors may vary, as we, naturally, do not bleach our recycled materials.

ARTICLE NUMBER

Height	50-70 cm	50-70 cm
Base	Aluminium	Black
Black	022590	022570
Grey	Contact us	Contact us
Green	Contact us	Contact us
White	Contact us	Contact us
Blue	Contact us	Contact us
Red	Contact us	Contact us

Contact us for other color options

EN 1729-1:2015
EN 1729-2:2015

Functional dimensions
Safety requirements



Furniture – Chairs and tables for educational institutions

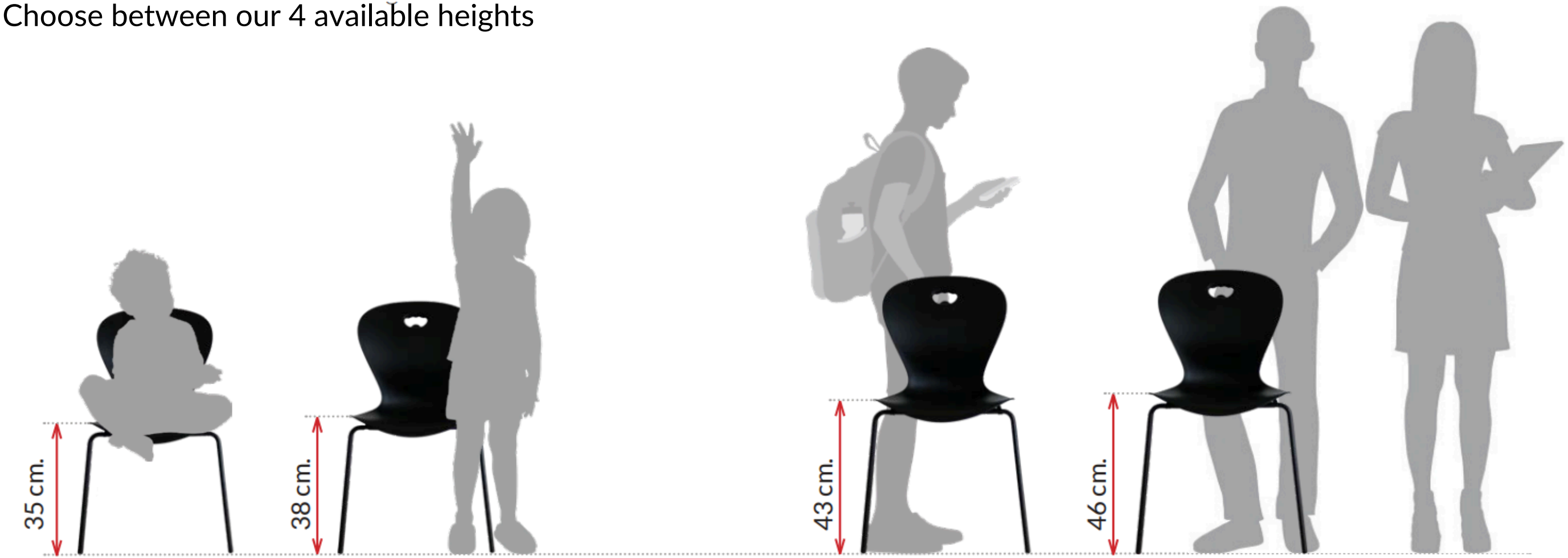


ASSORTMENT

Karoline

Size Me Up

Choose between our 4 available heights



Karoline Medium

5-10 years

Ideal for kindergarten, pre-school, children’s waiting rooms, children’s libraries. etc.

Karoline Large

10+ years and adults

Ideal for high schools , gymnasiums, universities, conference and meeting rooms, waiting rooms. canteens, music venues, sports arenas, etc.

Standing Strong

Choose between our 3 bases, each available in 2 colors



Color Me Happy

Karoline is available in 9 colors



ASSORTMENT

Karoline

Cushion

The Karoline cushion is available for all our models. This cushion is built around a molded, FSC-approved, birch veneer core and padded with natural foam. The cushion is upholstered with sustainable Cura textile from Gabriel, woven from 98% post-consumer, recycled polyester (PET). All parts can be disassembled and recycled after use.

Assembly: The cushion is fixed with 4 screws.

Maintenance: Wipe with damp cloth and acid-free soap.

Durability: Highly durable textile and color.



Stackable

Karoline can be easily stacked and moved, due to the light weight of the chair.



Linkable

Need the chairs fixed in neat rows?

Get the job done with this strong, yet easy-to-apply fitting, for interconnecting chairs on the four-legged base.



Suspendable

We designed the Karoline chair for practicality.

Karoline is suspendable. Karoline can be mounted underneath tables, leaving the floors accessible for cleaning.



CASE

Randers Realskole



Institution: Randers Realskole
Address: Fabersvej 1, 8900 Randers C, DK
Number of students: 1300

Furnished by Upcycling Scandinavia in
August 2019
Model: Karoline Large - Black



Sustainable classrooms

Randers Realskole chose to design their 12 new classrooms with the sustainable Karoline chair. As the students grow considerably within a single year, chairs were chosen to accommodate the need for optimal seating comfort.

Dan Jensen, janitor, purchaser, and the man responsible for the remodelling of Randers Realskole, shared his opinion on the Karoline chair:

“Although we have chosen the black Karoline chairs, they are not completely identical. If you get close enough, you recognise the unique surface and slight color variations of every single chair. This speaks to the fact that the chairs are in fact made from recycled plastic, which I love!

We chose Karoline, because this chair has a really good story, and it means a lot to us, that we are able to teach our students that sustainable production is important.”

CASE

Elværket



Office: Elværket, Business Skive
Address: Brårupgade 18C, 7800 Skive, DK
Number of rooms: 2

Furnished by Upcycling Scandinavia in
Spring 2021
Model: Karoline Large - Grey office chair
w. hydraulic pump



Meeting rooms

Business Skive was looking for chairs for their new meeting rooms in the old power station. The choice fell on the Karoline chair, as they wanted a sustainable chair and therefore they saw good synergy in supporting Upcycling Scandinavia, which is locally rooted in the municipality of Skive.

Since then, the Karoline chair and Upcycling Scandinavia have won the title of “Clean Life Advocate 2022” in the municipality of Skive. We won the award on the basis of our local efforts to create cooperation between local businesses around sustainable products and production.

The premises at Business Skive are used for business consultations by both entrepreneurs and established business operators. We have furnished both the meeting room, nicknamed “Generator”, and the common room, where the Karoline chair - made from upcycled plastic - interacts with the raw wooden tables and the raw look of the old power station.

CASE

Ådalens Privatskole



Institution: Ådalens Privatskole
Address: Skovvej 15-19, 2635 Ishøj, DK
Number of students: 439

Furnished by Upcycling Scandinavia in July 2020
Model: Karoline Large - Black office chair
w. hydraulic pump



Climate-smart interior design

Many thoughts have to be thought about when decorating - one of them is about the environment and climate. We offer our customers good, sustainable solutions; either in the form of furniture, that is either produced from waste (recycled plastic), like the Karoline chair, or from FSC-labeled wood. Many are Swan-labelled. What applies to all our furniture, is that, due to its quality, it can withstand many years of wear and tear. It is also sustainable and can be taken apart and repurposed, once use has ended.

Ådalens Privatskole is a free primary school, located in Ishøj.

In August 2020, 176 new secondary school students moved to the school, and therefore an extension was needed. The school was expanded upon, with project manager Vicki Nielsen and architect Maria Svensson, supported by Lekolar, responsible for furnishing.

The expansion consists of 8 classrooms, each with room for 22 students, 8 wardrobe niches. a common area and an entrance/shoe cupboard.

CASE

Ørestaden



Institution: Ørestaden
Address: Hannemanns Allé, Ørestaden, DK
Case: Temporary classroom

Furnished by Upcycling Scandinavia in
Spring 2021
Model: Karoline Large - Black C-base chair



Furnishing of the temporary school on Sigtelinjegrunden

Lekolar was responsible for the furnishing of the temporary school on Sigtelinjegrunden in Ørestaden, before the school could open its doors in 2023.

In cooperation with Upcycling Scandinavia and the municipality of Copenhagen, they have decorated the school's classrooms, where the focus was on a sustainable furnishing solution with multi-functional, moveable and durable furniture. All classrooms have been given tables with noise-reducing linoleum surfaces, and we have equipped the school with tables on wheels, to provide more flexibility in the use of the premises.

In the last stage of the project, Lekolar was in direct collaboration with the school. The library presents both the opportunity to meet in small groups and gather for presentations, but also the opportunity for contemplation and reflection in the small cozy nooks, we have created between bookshelves. The sound absorbers on the wall are shaped like clouds and suns, so that, in addition to reducing noise, they shape the framework of a beautiful, staged landscape.

Finally, they have experimental tables of different heights, which allow for varying seating and standing positions, for different kinds of work.

MATERIALS USED FOR KAROLINE

Technical data and certificates



Test Report

Report No.: 920640-1



**DANISH
TECHNOLOGICAL
INSTITUTE**

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Assignor: Upcycling Scandinavia ApS
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DK-7800 Skive

Page 1 of 1
Jjoh/jju/hbs
Order no.: 920642
No. of appendices: 3

Item: Model: Karoline Medium

Type:	Chair				
Length:	455 mm	Width:	355 mm	Height:	810 mm
Weight:	5.9 kg				
Materials:	Steel, plastic				

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 24-03-2020.

Method: **EN 1729-1:2015** Furniture – Chairs and tables for educational institutions -
Part 1: Functional dimensions. Measured according to table A.1.

EN 1729-2:2012+A1:2015 Furniture – Chairs and tables for educational institutions -
Part 2: Safety requirements and test methods. Loading according to
EN 1729-2:2012+A1:2015 highest level.

Period: The testing was carried out from 25-03-2020 to 30-04-2020.

Result: Model Karoline Medium fulfils the requirements in EN 1729-1:2015, Table A.1 and
EN 1729-2:2012+A1:2015.

It fulfils the requirements of size marks 4 and 5.

Individual results appear from Appendices 1 and 2.

Storage: The test material will be destroyed after 1 month, unless otherwise agreed.

Terms: Accredited testing was carried out in compliance with international requirements (EN/ISO/IEC 17025:2005) and in compliance with Danish Technological Institute's General Terms and Conditions regarding Commissioned Work accepted by Danish Technological Institute. The test results apply to the tested products only. This report may be quoted in extract only if the laboratory has granted its written consent.

Date/place: 30-04-2020, Danish Technological Institute, Wood and Biomaterials, Taastrup

Jesper Bruhn Johansen

Jesper Bruhn Johansen
EN 1729-1:2015, EN 1729-2:2012+A1:2015
E-mail: jbj@teknologisk.dk

Signature: Test responsible

**Jesper
Junge
Pedersen**

Digitally signed by
Jesper Junge
Pedersen
Date: 2020.05.06
08:18:32 +02'00'

Co-signatory



Test Report

Report No.: 867613-1



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Page 1 of 1
Jjoh/laha/hbs
Order no.: 867613
No. of appendices: 3

Subject: Model: Karoline - Prototype

Type:	Chair				
Length:	580 mm	Width:	600 mm	Height:	860-1055 mm
Weight:	8.08 kg				
Materials:	Seat/back: Plastic Base: Metal swivel				

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 15-04-2019.

Method: **EN 1729-1:2015** Furniture – Chairs and tables for educational institutions - Part 1: Functional dimensions. Measured according to table A.1.

EN 1729-2:2012+A1:2015 Furniture – Chairs and tables for educational institutions - Part 2: Safety requirements and test methods. Loading according to EN 1729-2:2012+A1:2015 highest level.

Period: The testing was carried out from 15-04-2019 to 28-05-2019.

Result: Model Karoline fulfils the requirements in EN 1729-1:2015, Table A.1 and the requirements in EN 1729-2:+A1:2015.
It fulfils the requirements of size marks 6 and 7.

Individual results appear from Appendices 1 and 2.

Storage: The test material will be destroyed after 1 month, unless otherwise agreed.

Terms: Accredited testing was carried out in compliance with international requirements (EN/ISO/IEC 17025:2005) and in compliance with Danish Technological Institute's General Terms and Conditions regarding Commissioned Work accepted by Danish Technological Institute. The test results apply to the tested products only. This report may be quoted in extract only if the laboratory has granted its written consent.

Date/place: 28-05-2019, Danish Technological Institute, Wood and Biomaterials, Taastrup

Torsten Borch-Johnsen
Torsten Borch-Johnsen
Head of Laboratory

Signature: Test responsible

Lars Jørgen Hansen
Lars Jørgen Hansen
Head of Laboratory

Co-signatory



SURFACE RESISTANCE

Karoline chair

Test report

REPORT NO.:
103660



**DANISH
TECHNOLOGICAL
INSTITUTE**

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Info@teknologisk.dk
www.teknologisk.dk

29 October 2021
Page 1 of 2
No. of encl.: 1
Init.: DECR/bbi
Cosign.: ten

Customer: Upcycling Scandinavia ApS
Lyby Møllevej 1
7800 Skive

Sample: One furniture surface named "Karoline skalstol-green" (see page 2)

Sampling: The sample has been received here on 25 October 2021.

Period: The testing has been carried out from 25 to 28 October 2021.

Procedure: Determination of surface resistance of furniture according to "Möbelfakta" dated 01-04-2021, requirement category 2.
Deviation from standard: The sample has not been conditioned at 23 °C and 50 % RH for 7 days before test.

Test performed by: Tina Elmer Nielsen, Laboratory Technician

Result: The furniture surface marked "Karoline skalstol-green" fulfil the requirement category 2.

Storage: According to the general terms and conditions of The Danish Technological Institute

Remarks: The sample has not been conditioned at 23 °C and 50 % RH for 7 days before test.

Conditions: Accredited testing was carried out in compliance with international requirements (ISO/IEC 17025:2017) and in compliance with Danish Technological Institute's General Terms and Conditions regarding Commissioned Work accepted by Danish Technological Institute. The test results apply to the tested products only. This report may be quoted in extract only if the laboratory has granted its written consent.

Place: Danish Technological Institute, Taastrup, Plastics and Packaging Technology

Signature:

Deepa Chakkamadathil Ramachandran
Technical Consultant, M.Tech.

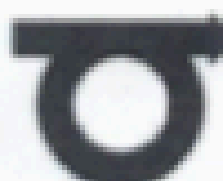
Mobile: +45 72 20 15 20
Mail: decr@dti.dk



MATERIAL CERTIFICATE

Karoline seat / PP granulate



rondo 



Certificate

Material designation:

REZYcom PP RGF3015PB, Natural and Black

Verification:

Based on 100% post-industrial polymer waste

Rondo Plast AB

Date: 11.10.2019



Fredrik Holst
Product Manager

MATERIAL CERTIFICATE

Karoline base / legs



Form 500 circular

Ruukki's range of high-strength Form precision tubes are at their best in applications where steel tubes require particularly high strength but the lightness of the structure is also essential.

Applications:

- Reinforcing structures in vehicles
- Furniture
- Tools
- Sports and leisure equipment

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Document printed on 16.08.2013

www.ruukki.com

MATERIAL CERTIFICATE

Karoline base / legs - Traceability

SSAB

INSPECTION CERTIFICATE

No. A197853.0AT

389850-001-001

EN 10204-3.1

Date

03.07.2018

Page

1

Buyer
HELENS RÖR A/S
0140623KOESMOSEVEJ 48-58
5500 MIDDELFART DENMARKConsignee
HELENS RÖR A/S
0140623KOESMOSEVEJ 48-58
5500 MIDDELFART DENMARK

Confirmation of Order

389850

Your Order

4501697868

Your Reference

Consignment

389850-001 02.07.2018

MARKING

Mark of the Manufacturer

Inspector's Stamp

Steel Grade

Cast No.

Pipe No.

Other Stamps

SSAB

F 500 C

Product

COLD-FORMED WELDED PRECISION TUBES

Steel Grade

FORM TUBE 500 C

COLD ROLLED FORMABLE HIGH-STRENGTH STEEL

Technical Terms of Delivery

EN 10305-3

Inspection

EDDY CURRENT TESTED EN ISO 10893-2 E3H

SPECIFICATION

Cast No.	Test No.	Bundle No.	Pcs	m	kg	Bundle Pcs
Item 1	D	14	2.00 X 6000			
15609	4870920	8A128112 8A128113 8A128114 8A128115				
67325	4870910	8A128108 8A128109 8A128110 8A128111 8A128112				
ITEM IN TOTAL			1962	11772	6972	8
ITEMS IN TOTAL			1962	11772	6972	8

We hereby certify that the products described above have been tested and comply with the terms of the Order contract.

SSAB Europe Oy

Lappohja Works
EHSQ-Engineer

Jennifer Gamnals

www.ssab.com
SSAB Europe Oy

Postal Address

Satamatie 56
FIN-10820 LAPPOHJA

Telephone

+ 358 020 59 11

Telefax

+ 358 020 59 27256

Company name

Harvialantie 420
FI-13300 HÄMEENLINNA

Registered Office

HÄMEENLINNA

Business ID

2389445-7

MATERIAL DESCRIPTION

Mounted cushion for Karoline chair



MEASUREMENT

Height	18 mm
Width	39,5 mm
Depth	39,5 mm
Weight	370 g
Cleaning	Wipe down with damp cloth with acid-free soap

MATERIALS

Core	Molded FSC-certified birch veneer
Filling	Untreated natural foam
Upholstering	98% post-consumer recycled polyester Gabriel, Cura 2480/2544
Threaded pipe	Retractable when disassembled

MATERIAL DESCRIPTION

Karoline cushion / Upholstering

Gabriel®

Fabrics Certificates Gabriel Group Investor About Gabriel News Contact Downloads



CURA

Cura is a multi-purpose, two-coloured upholstery fabric made from 98% post-consumer recycled polyester. Use Cura for office furniture or lounge seating to transform workplaces into homey interiors.

► [Learn more](#)

Home » Fabrics » Cura » Specifications

CURA SPECIFICATIONS		
Design no.	2480/2544	
Application	contract soft seating	
Composition	98% post-consumer recycled polyester / 2% polyester	
Weight	g/lm oz/lin.yd	420 13.55
Width	cm inches	140 55
Abrasion	rubbs martindale (EN ISO 12947-2)	100,000
	double rubbs wyzenbeek (ASTM D4157-07) (heavy duty upholstery)	100,000
Pilling	scale 1-5, max. 5 - EN ISO 12945-2	4-5
Light fastness	scale 1-8, max. 8 - EN ISO 105-B02	5-8
Rubbing fastness	scale 1-5, max. 5 - EN ISO 105x12 (wet/dry)	4-5/4-5
Maintenance	wash or dry cleaning P(W)	
	Cura is made of polyester which is a material suited for environments with special requirements for cleaning. click here for guidance relating to disinfection.	
	 40°C shrinkage max. 1%. 60°C shrinkage max. 2%.	
US ACT	ASTM D4157-07 Wyz abrasion (heavy duty) 100k	pass
	ASTM D3511 Pilling	pass
	CA TB 117-2013	pass
	ASTM E 84 Class I	pass
	AATCC 16 Light fastness	pass
	AATCC 8 or 116 Wet/dry crocking	pass
	Abrasion test results exceeding ACT Performance Guidelines are not an indicator of product lifespan	
Acoustic test air flow resistance	EN 29053 & ISO 9053-1 (airflow resistance)	
Flammability	BS EN 1021 1&2 Cigarette and Match CA TB 117-2013 ASTM E 84 Class I Will also pass other flammability standards. Flame retardant performance is dependent upon the foam used. Contains no flame retardant chemicals.	
Certificates	Complete list	
Environment	STANDARD 100 by OEKO-TEX® EU Ecolabel	
Design	Cenk Kivrikoglu	
Colours	Cenk Kivrikoglu	

COLOUR SCALE

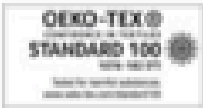
Cura is available in 50 colours.



[Colour scale](#)

[Colour card](#)

LABELLING



CHARACTERISTICS

- Warm, casual aesthetics
- Vibrant melange effect
- Soft, voluminous texture
- Comprehensive colour range
- High stretchability
- Perfect for office and lounge furniture
- 98% recycled post-consumer polyester
- 100% recyclable polyester
- EU Ecolabel
- STANDARD 100 by OEKO-TEX®
- Meets Möbelfakta requirements

[Learn more](#)



January 2025