

Environmental Product Sheet

PATO 4-leg Chair, Model 4200



Design story of the product

With Pato, we've applied our legacy of craftsmanship and detailing together with cutting-edge technology to produce an extremely versatile, multi-purpose chair for a variety of applications. Designed by Welling/ Ludvik, it's based on the desire to create the simplest chair offering the most comfort possible. The Pato 4 Leg Chair is made with a 100% recycled and recyclable polypropylene (PP) shell. A material offering the right amount of flexibility in the back. Extra comfort is achieved by the faceted edge, which adds sharpness. Available in countless colours, it can easily accommodate large-scale interiors, a co-working scenario, restaurants, and cafés.

Company description

Encouraging customers to buy fewer but better products has been at the core of Fredericia's company ethics, ever since we began in 1911. With the ultimate goal of creating furniture that becomes more beautiful with age, intended to be passed down from one generation to the next. These core values are rooted in our sense of responsibility, seen in our use of natural materials, our ethical methods of production and our respect for the people using our furniture every day.

Supplier support

At Fredericia Furniture, we have established partnerships with selected supplier to collaborate in the matter of minimizing the environmental impact of our products. Through our ongoing implementation of a Sustainable supplier selection and Code of Conduct, we ensure that our suppliers meet our conditions regard to human rights and environmental standards among other things.

Design for environment criteria

In the phase of developing new products or re-engineering existing products Fredericia Furniture follows the below listed principles:

- Timeless design
- Long material lifetime
- Crafted to last
- Easing disassembly of products to increase circularity and ease

repair broken parts

- Increase the use of recycled materials

Material declaration

Stacking chair. Shell of 100% recycled coloured-trough polypropylene. Frame of steel tube chromed or powder coated. Mounted with interchangeable plastic gliders.

Environmental data

The whole product incl. packaging material

Recycled content: 95%

Virgin content: 5%

Life cycle assessment data

Climate footprint = **29 kg of CO₂e** in a level 2 screening validated by the Danish Company, Målbar. This result is based upon the lowest emitting variant of the model and is Målbar's guesstimate of the outcome within the boundaries of 27 – 31 kg of CO₂e.

Environmental certifications

EU Ecolabel variants: Black powder-coated frame.

Test

EN 16139:2013 (L2), EN 1021-1:2006, Smouldering cigarette, EN 1021-2:2006, Match flame equivalent.

Warranty

Fredericia Furniture A/S offers a 7-year guarantee against manufacturing defects in standard products (materials and construction). The warranty does not cover wear and damage to covers, surface treatment, inappropriate use and the like.

Disclaimer

The climate footprint assessment is based upon delivery to an average EU customer and a 15-year lifetime. Be aware of the variety of assumptions when comparing different life cycle assessments from different companies as the level of detail can vary.


Content Declaration

The charts below describe the materials used in the product.

MATERIAL	MASS [KG]	SHARE	CONTENT
Polypropylene (PP)	2,9	58%	Recycled content
Steel	1,8	36%	Recycled content
Polyester (UP)	0,3	5%	Virgin
Polyethylene (PE)	0,1	2%	Virgin
Brass	0,004	0%	Virgin
Total	5,1		


PACKAGING MATERIAL	MASS [KG]	SHARE	CONTENT
Cardboard	1,2	79%	Recycled content
HDF	0,3	20%	Recycled content
Polyethylene (PE)	0,02	1%	Virgin
Total	1,5		


Detailed Life Cycle Assessment Data


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Disposal: At Fredericia Furniture, we recommend our customers to handle our products with care when the product have served its use. We emphasis therefore that spare parts are reused/recycled when possible and/or products repaired with thought of the future. Sort the spare parts according to your country's regulations.
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Use phase: This is the longest phase of the life cycle. During the use phase of our products, a limited environmental impact occurs.
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Transport: Includes the transport between Fredericia's suppliers and the transport to Fredericia.
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Packaging: Includes all packaging material.
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Production: This phase includes both the manufacturing of components but also the assembly of finished goods.
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Production waste: Includes the waste that is generated during the different production processes that is needed to manufacture the product.
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Cover: Expresses the environmental impact that the cover has if the product consist of it.
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Upholstery: Expresses the environmental impact that the upholstery materials has if the product consist of it.
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Surface treatment: Showcases the total environmental impact that the product has concerning surface treatments.
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Materials: Includes the extraction of materials, and the benefit of recycled content is considered.

