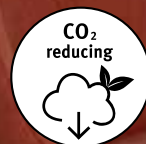


# EcoLine

Upholstery fabrics made from recycled PET bottles





EcoLine

## Our contribution

Sustainable strategies and measures to protect the environment and its natural resources in the long term are more relevant than ever. Only by acting together can we ensure that present and future generations can continue to live on our beautiful planet.

With the recent publication of our Sustainability Report, we are taking our corporate responsibility seriously and giving an account of the impact of our activities on the environment and society. In doing so, we describe our sustainability activities in terms of key performance indicators, targets achieved to date, and future measures.

The EcoLine collection, made from 100% recycled PET bottles, makes a decisive contribution to reducing our ecological footprint.

## The manufacturing process

1

### COLLECT

In Southern Europe, used PET bottles are collected and separated by type. This enables short transport routes, which saves energy, water and CO2 emissions in addition to the use of existing polyester.

2

### GRIND

The bottles are cleaned, crushed and reduced to flakes. This purely mechanical process produces polymer granules suitable for the spinning process of yarns.

3

### MELT

Then the flakes are melted. Normally, some virgin polyester is added to keep the yarn stable, but in this case it is 100% post-consumer polyester, which has excellent properties in terms of stability.

4

### EXTRUSION

The polymer is converted into filaments and textured. During this phase, a flame-retardant component is added to the yarn, which is durable and, unlike environmentally harmful additives, does not wash out.

5

### FURTHER PROCESSING

The resulting yarn is certified according to the Global Recycle Standard and the Ökotex Standard 100 product class 1. The finished fabrics are also tested according to the Ökotex Standard 100 product class 1.







## Upholstery fabrics made from recycled PET bottles

EcoLine stands for functional, permanently flame-retardant fabrics with a reduced ecological footprint. They are made from 100% recycled PET bottle yarns and can therefore be recycled again thanks to their purity.

Sustainability, functionality and high-quality design flow together in one product line.

Features of the EcoLine collection:

- ✓ 100 % post consumer plastic
- ✓ certified, purely mechanical upcycling process
- ✓ unmixed, recyclable after use
- ✓ permanently flame retardant
- ✓ extremely durable
- ✓ short transport distances
- ✓ Ökotex certification
- ✓ meets Möbelfakta requirements

## Versatile upholstery fabrics for demanding applications

Choosing the right fabric can have a significant impact on the durability and aesthetics of furniture and interiors. In this context, the EcoLine collection is an excellent choice, because with high abrasion resistance and excellent light fastness, it offers a wide range of uses for various environments where functionality and aesthetics are equally important.



### **Hotel industry:**

EcoLine furniture fabrics are particularly suitable in the demanding hotel industry. High abrasion resistance ensures that chairs, sofas and other upholstered furniture can withstand daily wear and tear while maintaining their elegant appearance.

### **Shipping:**

On ships, textiles must withstand a variety of external impacts, whether from spilled drinks and food, UV rays or increased use. Our upholstery fabrics are specially designed to withstand these challenges, while ensuring passengers have a pleasant and comfortable stay on board. The high lightfastness ensures that the colors do not fade even in intense sunlight.

### **Gastronomy:**

In restaurants, cafes and bars, where a homely ambience is of great importance, our fabrics are an excellent choice. They are easy to clean and resistant to stains and wear, which is crucial in busy gastronomic environments.

### **Offices, administrative and educational buildings:**

In facilities where comfort and productivity are equally important, our upholstery fabrics offer the ideal solution - whether for open, light-filled office spaces or cosy seating areas to unwind. Textiles from the EcoLine collection are durable and easy to clean, making them perfect for everyday use.

## Collection: EcoLine upholstery fabrics

### EcoLine Pop 28083



The multicoloured, graphic Salt & Pepper design of this upholstery fabric creates a modern look. Components of different colour classics are interchanged and combined to create something new - a fantastic combination.

### EcoLine Pro 28094

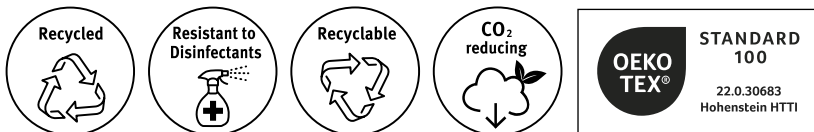


With its soft feel, achieved through the use of high-quality chenille yarn, the EcoLine Pro invites you to relax. The matte look creates a natural and warm atmosphere and additional depth.

### EcoLine Pax 28072



The EcoLine Pax inspires with a detailed, graphic diamond pattern. The matte look exudes a certain calm and serenity, a timeless design, which gives furniture an elegant and appealing look.



## Product details

EcoLine	EcoLine Pop 28083	EcoLine Pro 28094	EcoLine Pax 28072
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Width	140 cm	140 cm	140 cm
Weight	355 g/m <sup>2</sup>	370 g/m <sup>2</sup>	345 g/m <sup>2</sup>
Composition	100% Polyester FR recycled	100% Polyester FR recycled	100% Polyester FR recycled

Light fastness	5	6	6
Martindale	100.000 tours	50.000 tours	80.000 tours
Flame resistance	DIN EN 1021 Teil 1+2, IMO Res. A652 (16), 1-M	DIN EN 1021 Teil 1+2, IMO Res. A652 (16), 1-M	DIN EN 1021 Teil 1+2, IMO Res. A652 (16), 1-M

A study by the ICEA (Institute for Ethical and Environmental Certification) using the criteria of Life Cycle Assessment (LCA) and taking into account ISO 14040 and 14044 impressively demonstrates the resource savings of the innovative yarn manufacturing process.

Water consumption refers to the production of 1 kg of recycled polymer compared to 1 kg of virgin PET.

Source Water consumption virgin PET. Eco-Profiles and EPDs of European Plastics Manufacturers- Polyethylene Terephthalate (PET) Bottlegrad. Plastics Europe 2011

	EcoLine fiber	Conventional PET yarn	Savings
Consumption of energy resources	50,6 MJ	127,2 MJ	- 60 %
Global Warming Potential	3,88 kg CO eq	5,7 kg CO eq	- 32%
Water consumption	3,26 l	60l	- 94%



Detailed information on technical data of the products can be found on our website.



Leading specialist of flame  
retardant contract fabrics

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