

APPLICATIONS



Lingerie



Fashion



Casual wear



Luggage



Career wear



Workwear



Sportswear



Labels
Ribbons



Automotive

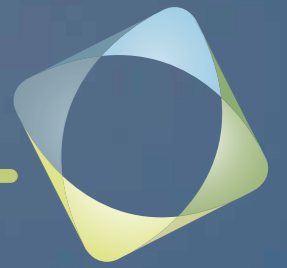


Home Textile



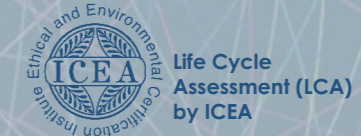
Furnishing
Outdoor Furnishing

NEWLIFE



a premium yarn with a sustainable identity

www.newlifeyarns.com



Made in Italy



WHAT IS NEWLIFE™

Newlife™ is the product of an ambitious project developed by Sinterama. This technologically innovative platform is certified through a comprehensive production approach and offers a wide range of excellent quality, high performance recycled polyester yarn, made from post-consumption plastic bottles collected in northern Italy.

The unique nature of the Newlife™ production approach is defined by three fundamental elements:



The Environmental Business Award is sponsored by the Ministry of Environment and Protection of Territory and Sea and by the Chamber of Commerce of Rome - Asset room, with the support of UNIDO (United Nations Industrial Development Organization)



"Best Recycled Plastic Product" Winner B to B - 2012

- The supply chain is not vertical, it has been developed horizontally in a system of certified Italian supply partnerships, to make it fully traceable.
- The end product - the yarn - is completely derived from recycled post-consumption plastic bottles using a mechanical, not chemical process, certified as 100% Made in Italy along the whole supply chain.
- The Newlife™ range is composed of many sophisticated yarns in terms of innovation and enable a wide number of textile applications. Fabrics made with Newlife™ are beautiful and performing, not just sustainable.

NEWLIFE™ SUPPLY CHAIN

The process, including the sourcing of the raw material right through to its transformation into yarn, occurs thanks to the following processing stages:

1 • Sourcing

An Italian company recovers plastic bottles from waste recycling bins in northern Italy only and divides them according to type.

2 • Flakes production

An Italian company collects the selected material, cleans it, cuts it and uses a mechanical process to convert it into a polymer made of 100% recycled PET bottles that is suitable for spinning. This process is carried out exclusively for Sinterama.

3 • Sinterama

Using the technological know-how it has developed through years of experience and research to convert the polymer into a range of excellent quality and high performance recycled polyester yarns, suitable for a wide variety of applications. The Newlife™ yarns guarantee the same level of performance and quality as polyester yarns made from virgin polymer normally used in the market.

NEWLIFE™ LIFE CYCLE ASSESSMENT (LCA)

Recycled polyester, which requires fewer processing stages, consumes less energy during the production process, resulting in a considerable reduction in carbon emissions compared with virgin polyester.

Newlife™ uses a mechanical process to transform bottles into a polymer, without the use of chemicals which could be harmful for the environment.

According to a study carried out by the ICEA (Institute for Ethic and Environmental Certification) using the methodology of Life Cycle Assessment (LCA), in compliance with ISO 14040, ISO 14044, producing 1 Kg of Newlife™ allows a saving in terms of consumption of energy resources and CO2 emissions which, compared to virgin polyester fibers production, results in:

	Consumption of energy resources	Global Warming Potential	Water consumption (*)
Newlife™	50,6 MJ	3,88 kg CO ₂ eq	3,26 lt
Virgin PET Fibre	127,2 MJ	5,7 kg CO ₂ eq	60 lt
Risparmio	- 60 %	- 32 %	- 94 %

* Water consumption is referred to the production of 1 kg of recycled polymer, and is compared with the data of 1 kg of virgin PET taken from "Eco-profiles and EPD of the European Plastics Manufacturers - Polyethylene Terephthalate (PET) Bottlegrade, Plastics Europe 2011"

TECHNICAL PERFORMANCES

- SUN PROTECTION**
 - Protect the skin with a high UPF value (>50).
- MOISTURE MANAGEMENT**
 - Transport the moisture from the skin to the outer part of the fabric.
 - Allowing the garment to dry quickly.
- THERMAL MANAGEMENT**
 - Thermal insulation.
 - Comfort and lightness to the fabric.
 - Up to 25% less weight than the standard product.
- COTTON TOUCH**
 - Technical properties with the feeling of natural fibres.
- ANTI BACTERIAL**
 - Antibacterial yarns with odour control functions.
 - Durability and wash-resistance.

Newlife™ got the following certifications:

- 1 **Oekotex** Cert. n° 005339.0 - Centrocot
- 2 **Global Recycle Standard** - Textile Exchange

