



2-Lives

THE PREMIUM YARN THAT PREVENTS PLASTIC POLLUTION

What 2-Lives is

- ▶ It is the product of an ambitious project. 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 2-Lives production approach is defined by two fundamental elements:

- ▶ 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 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.

2-Lives 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.

▶ 3 • From polymer to yarn

An Italian company, 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. The 2-Lives yarn guarantees the same level of performance and quality as polyester yarns made from virgin polymer normally used in the market.



2-Lives Life Cycle Assessment

- ▶ 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.
- ▶ 2-Lives 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 and ISO 14044, producing 1 Kg of 2-Lives allows a saving in terms of consumption of energy resources and CO2 emissions which, compared to virgin polyester fibers production, results in:

- Less consumption of energy resources
- Less Global Warming Potential
- Less water consumption (*)

*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"

	Consumption of energy resources	Global Warming Potential	Water Consumption
Our 2-Lives	50,6 MJ	3,88 Co ² eq	3,26 lt
Virgin PET Fibre	127,2 MJ	5,7 Co ² eq	60lt
Saving	-60%	-32%	-94%

2-Lives characteristics



- ▶ Recycled Polyester
- ▶ Textured
- ▶ Counts:1370 dtex
- ▶ Patented by ProfiMed in Europe and USA
- ▶ Expands by mechanical friction and not by water absorption
- ▶ Performs much better than other flosses
- ▶ Prevents gingival bleeding
- ▶ [Clinical study at Genoa University](#)

Our Riser[®] 2-Lives FAB

Features	Advantages	Benefits
Sustainable product	Three 50mt bobbins “save” two bottles of 0,5lt	Gives a second life to plastic bottles
Sustainable product	Less consumption of energy resources, less Global Warming Potential, less water consumption	Preserves natural resources
Totally derived from recycled post-consumption plastic bottles using a mechanical process	It does not use chemical substances	Better product safety
Product collected in a specific area only	Traceability guaranteed	Better product safety
Expands during use thanks to a mechanical action (friction)	Adapts itself to the dental space Can be used also by users with xerostomy	Removes more plaque Disturbs plaque bacteria and helps preventing its formation A floss for everybody
Becomes softer during use	Less traumatic for soft tissue	Top comfort during use
Textured	Absorbs more aroma and treatment	More effective and aromatic
Textured	Brush effect	High cleaning efficacy
Slightly more expensive than PA	Cheaper than other flosses (e.g. PTFE)	Excellent price/quality ratio
Clinical test available (Genoa University)	Clinical confirmation (removes over 40% more plaque than standard flosses)	Very reliable and effective



*Thank you for
watching!*

ProfiMed

The future is green