

ENVISIONING A SUSTAINABLE TEXTILE INDUSTRY



WHAT IS RECO NYLON?

A NEW LIFE TO NYLON FROM RECLAIMED MATERIAL

RECO NYLON IS A 100% RECYCLED NYLON 6 YARN

At NUREL we re-valorize the nylon pre-consumer waste produced during our standard nylon 6 manufacturing process by **re-converting it into a high quality sustainable yarn.**

Reco Nylon delivers **similar quality to standard nylon 6 yarns**, adding **sustainable advantages**:

- Reducing dependence on non-renewable resources
- Maintaining a clean land field
- Decreasing environmental impact

It is available in high range from **22 to 78 dtex** and different formats, flat and textured.

NUREL excellence in fiber production ensures an optimal performance for sustainable fabrics oriented to sportswear, swimwear and underwear.

TEXTILE EXCHANGE has pointed recycled nylon as a preferred fiber for its more sustainable properties.

RECO NYLON HAS ACHIEVED GRS CERTIFICATION

GRS certifies that NUREL **recycles the discarded nylon** material diverted from the waste stream during the manufacturing process and **re-converts it into Reco Nylon** yarn.

Therefore, we meet the fair labour and environmental impact requirements of the GRS.



OUR PROCESS

- 1 At a first stage we **select and adequate** the reclaimed material from all the waste generated in our textile facilities.
- 2 Reclaimed material is re-melted at our recycling units in order to obtain a **recycled PA6 polymer**.
- 3 The recovered polyamide polymer is **extruded and made back into fibers** in our spinning plant.





SUSTAINABILITY & PERFORMANCE COMPROMISE

NUREL is a European polymer and fiber producer based in Spain, with over five decades of nylon production expertise.

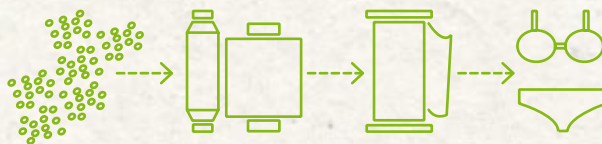
We strive hard to improve our efficiency by **reducing resource consumption, emissions and waste within our productive process.**

We are ISO 14.001 and 50.001 certified and we are committed to eco-design by collaborating in the development of new solutions to encourage circular economy in textiles.

NUREL aims to promote sustainability of all our products and processes.

Our R&D team works in creating new fiber and polymer products from reclaimed materials by recovering all the industrial waste.

We are involved in **examining the cradle-to-gate impacts** of our products by initiating Life Cycle Assessments.



Environmental Product Declaration (EPD) evaluates the environmental impact of **1kg of product** by analysing all the different production steps.

REDUCING RESOURCE CONSUMPTION AND FOLLOWING CONSUMER TRENDS

The production of Reco Nylon generates almost **9 times less CO₂ emissions** than standard nylon 6.

Therefore, a production of **1 ton of Reco Nylon reduces the emissions of an equivalent to:**



CO₂ produced by a **car driving 8.191 km**



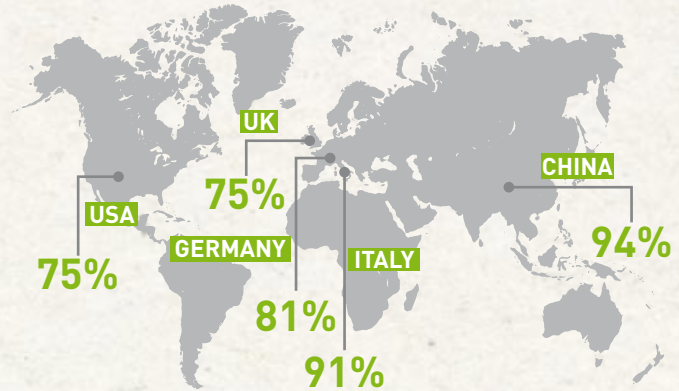
CO₂ produced by **265.451 phones being charged**



CO₂ absorbed by **101.000m² of forest in a year**

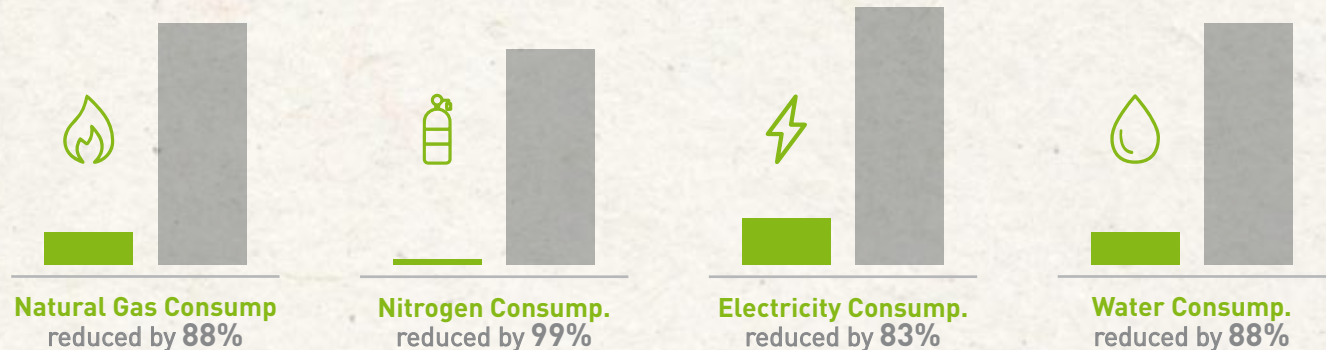
All these data have been obtained from our EPD that evaluates the environmental impact of the production of 1kg of Reco Nylon.

In recent studies, 63% of consumers indicated their willingness to put time and effort into finding sustainable clothing.



Global Concern towards Sustainability.
% saying concerns about environmental change are very real and require change in our behaviour

■ reco NYLON ■ Standard Nylon 6



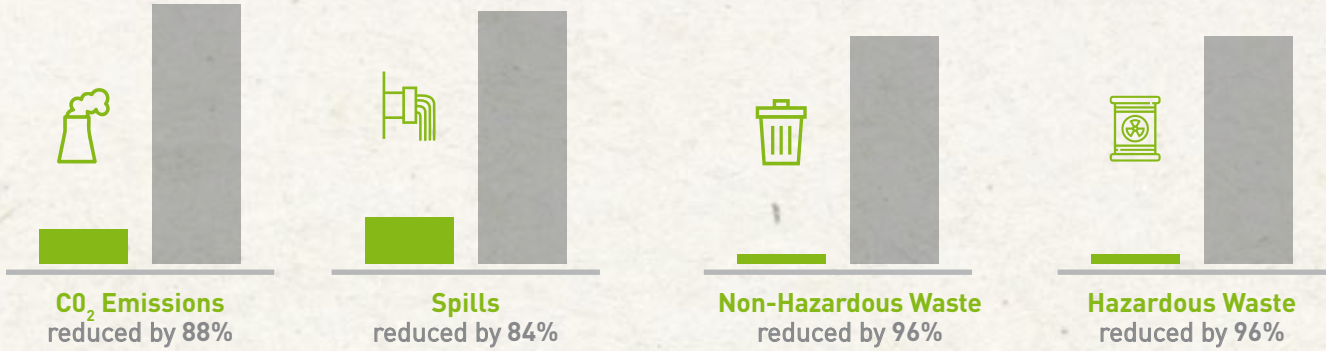
DECREASING ENVIRONMENTAL IMPACTS

RECO NYLON IS THE MATERIAL OF CHOICE FOR SUSTAINABLE TEXTILES

Reco Nylon minimizes CO₂ emissions and waste.



Standard Nylon 6



GLOBAL WARMING POTENCIAL

Greenhouse gases impact **reduced by 6 times**



ACIDIFICATION POTENCIAL

pH-reduction **minimized by 50%**, helping to preserve soil quality



EUTROPHICATION POTENCIAL

10 times less impact in water bodies



OZONE CREATION & DEPLETION POTENCIAL

No alteration of natural levels of ozone in the environment

ZERO KILOMETER, ZERO WASTE

The production process of Reco Nylon **takes place entirely in our premises** in Zaragoza (Spain), thereby saving to the environment the CO₂ emissions produced during the manufacture and transport of raw material.

WE USE 100% RENEWABLE ENERGY IN OUR PRODUCTION

SGS states that 100% of the energy used in our production site comes from renewable resources. NUREL is the **first company** in our sector to obtain this certification.

**BECAUSE
SUSTAINABILITY
DOES MATTER**



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