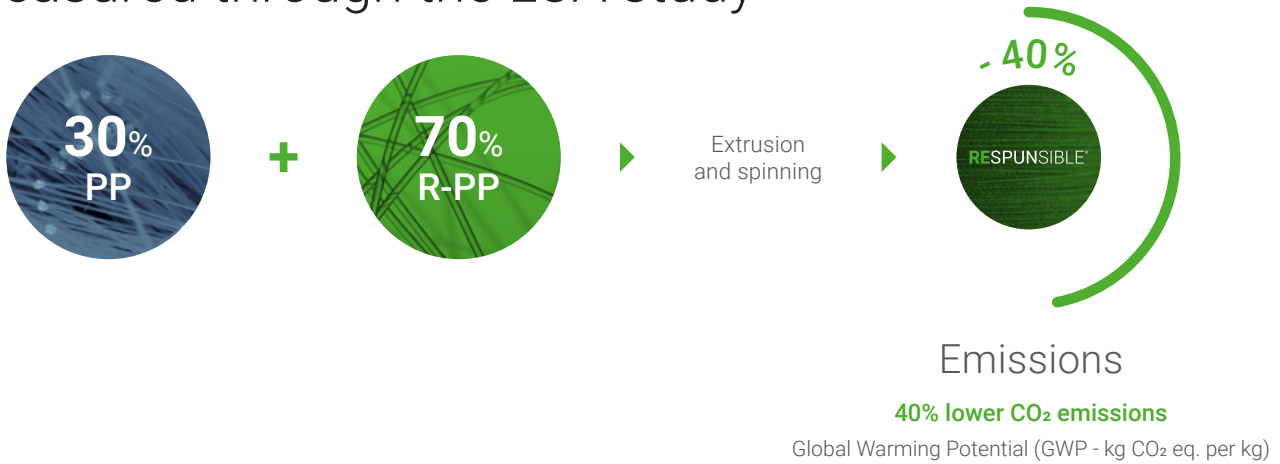


## Our ecological footprint? Measured through the LCA study



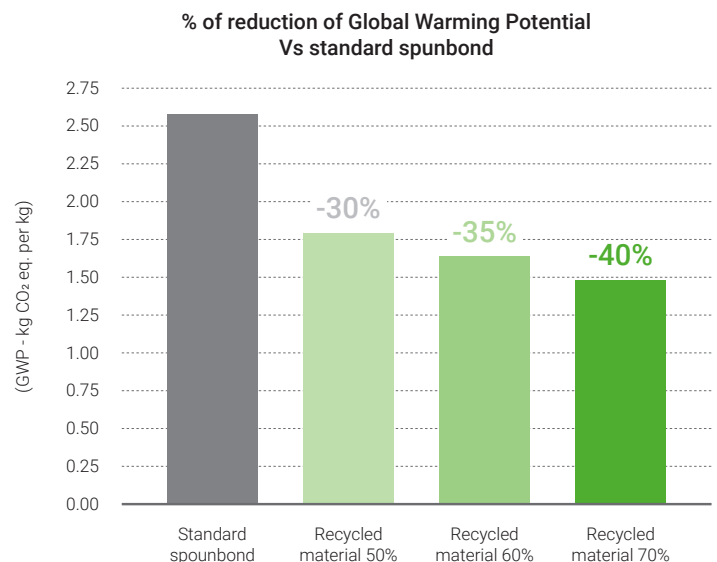
The Life Cycle Assessment (LCA), regulated by ISO14040, is an integral part of the **spunbond Responsible® offer**. The LCA assessment focuses on determining the **environmental impact** resulting from the use and transformation of the resources into finished product.

The Group chose to measure the impact of its Responsible® obtained from **recycled polypropylene**, comparing:

- standard spunbond 100% virgin PP;
- Responsible®, recycled spunbond produced with different percentage of pre-consumer recycled PP.

This **preliminary LCA** was performed to correlate the reduction of the environmental impact with the increase in the percentage of recycled material. The final outcome demonstrates that a **variable percentage of recycled material from 50 to 70%** brings about a **CO<sub>2</sub> emissions reduction by 30 to 40%** compared to a virgin fabric, an outstanding outcome.

## LCA final outcomes

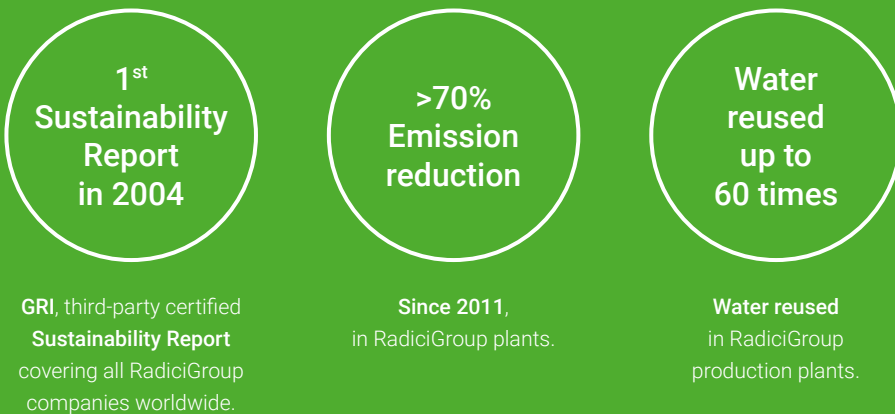


# RadiciGroup. Inside your world.

RadiciGroup is one of the world's leading producers of a wide range of chemical intermediates, polyamide polymers, high performance engineering polymers and advanced textile solutions, including nylon yarn, polyester yarn, yarn made from recovered and bio-source materials, nonwovens and personal protective equipment for the industrial and healthcare fields. These products are the result of the Group's outstanding chemical expertise and vertically integrated polyamide production chain and have been developed for use in a variety of industrial sectors, such as: automotive, electrical and electronics, household appliances, consumer and industrial goods, apparel, furnishing, construction, sports. The basis of the Group's strategy is a strong focus on innovation, quality, customer satisfaction and social and environmental sustainability.

## Sustainability

Every day at RadiciGroup, we work to make circularity our business model. We optimize the use of materials while fine-tuning our processes, eliminating waste and promoting recyclability from the earliest product design phases. We are always looking for low-impact solutions in terms of natural resources and energy. We rely on certified management systems for Quality, Health and Safety, Environment and Energy to keep our companies in line with the highest sustainability standards.



Data Source: RadiciGroup Sustainability Reports



TESSITURE PIETRO RADICI SpA  
Via Ugo Foscolo, 152 - IT - 24024 Gandino (BG)  
Tel. +39 035 715911 - Fax +39 035 715999  
[www.radicigroup.com](http://www.radicigroup.com)  
[tessitureradici@radicigroup.com](mailto:tessitureradici@radicigroup.com)

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