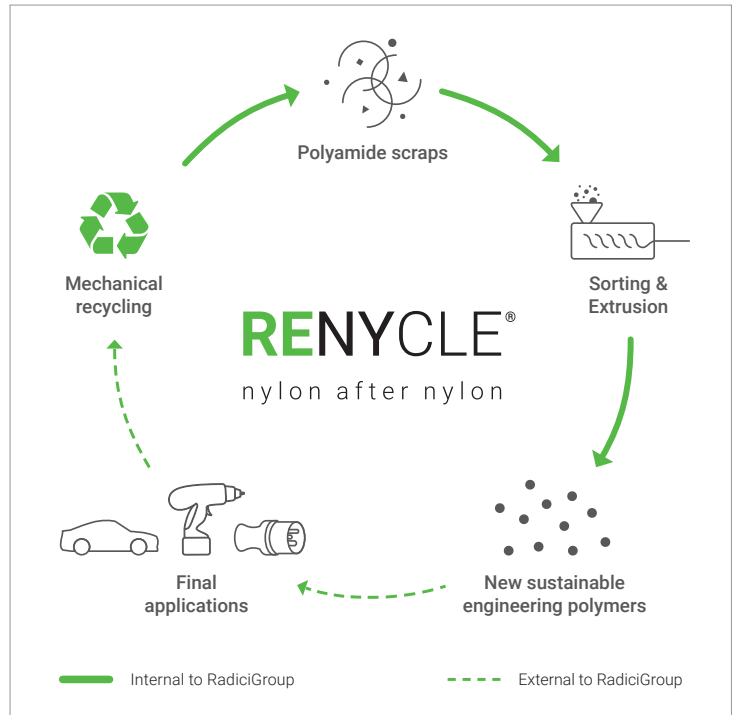


## Let's write a new sustainable story

The **Renycle®** range encompasses low environmental impact polyamides based on post-industrial and post-consumer sources. Renycle® products are characterized by lower and measurable environmental impact based on Life Cycle Assessment (LCA) data, currently available for each grade.

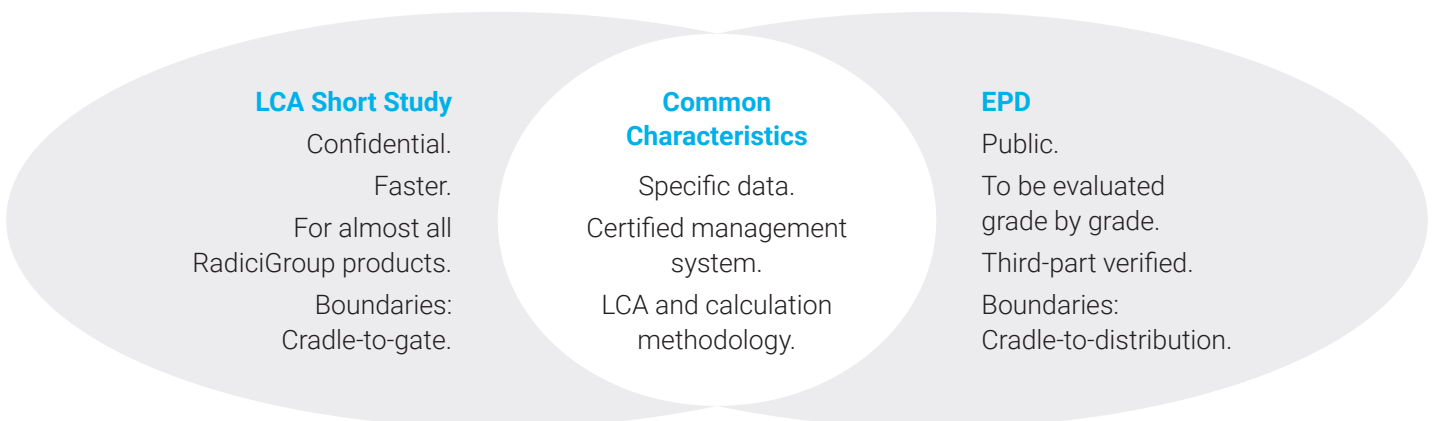
**Renycle®** key benefits:

- As these products have a **lower environmental impact** than virgin equivalents, they fuel the transition towards **climate action** and **low-carbon footprint** business models.
- They allow for **waste reduction** and promote a **culture of reuse and recycling** in compliance with the legislative context.
- They meet the needs of end customers who are committed to making **environmentally conscious choices**.

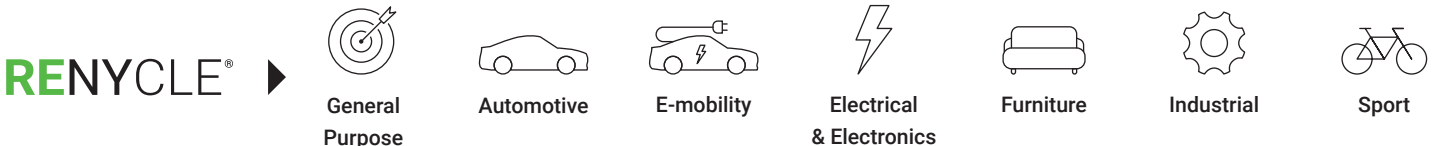


## Environmental footprint measurement

Life Cycle Assessment (LCA) is the compilation and evaluation of the inputs, outputs and the potential environmental impacts of a product system throughout its life cycle (ISO 14040). The LCA goal and scope, including the system boundary, should be clearly defined. The EPD is an ISO Type III Environmental Declaration, according to the ISO 14025 standard, that transparently reports third-party verified data about product environmental performance from a life cycle perspective. **LCA short studies** and **Environmental Product Declarations (EPDs)** are available for the environmental footprints of our products. Below are the characteristics of these two documents.



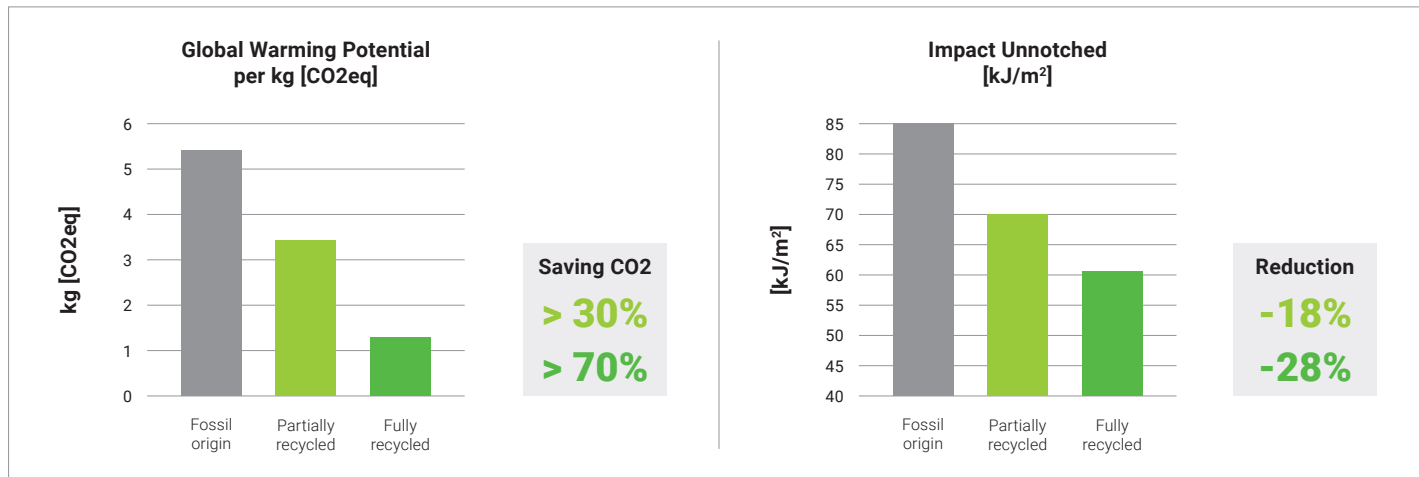
## Current product offering



# Mechanical vs environmental performance

PA6 (REC) 30% glass fibre-reinforced injection moulding grade. Heat stabilized, black colour.

Finished Product	Stress at Break [MPa]	Strain at Break [%]	Impact Unnotched [kJ/m <sup>2</sup> ]
■ PA6 - GF30 (Prime grade reference)	165	3.2	85
■ Renycle® S GF3001K 3033 BK	150	3	70
■ Renycle® S GF3003K 3033 BK	150	3	61



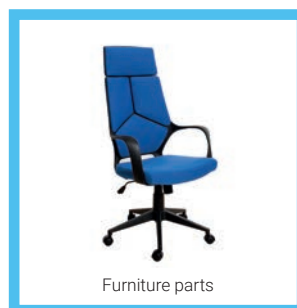
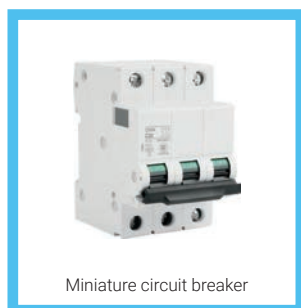
## Renycle® selection of available grades

<b>Renycle® S GF1501K 3030 BK</b>	Partially recycled PA6 15% glass fibre-reinforced injection moulding grade. Heat stabilized.
<b>Renycle® S GF2501 HF0 3033 BK</b>	Partially recycled PA6 flame retardant injection moulding grade, halogen and red phosphorus free. 25% glass fibre-reinforced. Laser markable.
<b>Renycle® S GF3001K 3033 BK</b>	Partially recycled PA6 30% glass fibre-reinforced injection moulding grade. Heat stabilized.
<b>Renycle® S T203K 3030 BK</b>	Partially recycled PA6 injection moulding grade. Toughened. Heat stabilized.
<b>Renycle® A GF3002HR 3039 BK</b>	Partially recycled PA66 30% glass fibre injection moulding grade. Heat stabilized, hydrolysis resistant.
<b>Renycle® A GF3504K 3033 BK</b>	Recycled PA66 35% glass fibre injection moulding grade. Heat stabilized.

View the entire product range.



## Application examples



The information provided in this document corresponds to our knowledge on the subject as of the date of publication. The information may be subject to revision as new knowledge and experience become available. Data provided fall within the normal range of product properties and relate only to the specific designated material. The data may not be valid for such material if used in combination with any other material or additive, or in any process, unless otherwise expressly indicated. The data provided should not be used to establish specification limits. Such data are not intended to substitute for any testing you may need to conduct to determine the suitability of a specific material for particular purposes. Since the above-mentioned companies cannot anticipate all the variations occurring in end-use conditions, the above-mentioned companies make no warranties and assume no liability in connection with any use of the above information. Nothing in this publication is to be considered as a licence to operate under, or a recommendation to infringe, any patent rights.

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