



## RECYCLED PET YARN

- ◎ **r-Starlight®** is a continuous polyester filament by Noyfil SA, a company belonging to the Fibres area of RadiciGroup. It is derived from **post-consumer recycled** polymer (e.g. PET Bottles) which respects the **environment**, especially in raw and dope dyed versions.
- ◎ It boasts **versatility** of production and a wide product range as for dope dyed both in the bacteriostatic and UV stabilized versions.
- ◎ **r-Starlight®** POY can be produced for all the specific processes of texturing, taslan, drawing, draw-warping and twisting.

The **eco-compatibility** of additives and colors used for the **solution dyeing** process can be certified OEKOTEX Std 100 Class 1 upon request. Besides, Noyfil SA guarantees the **post-consumer origin of the polymer** used for spinning **r-Starlight®**.



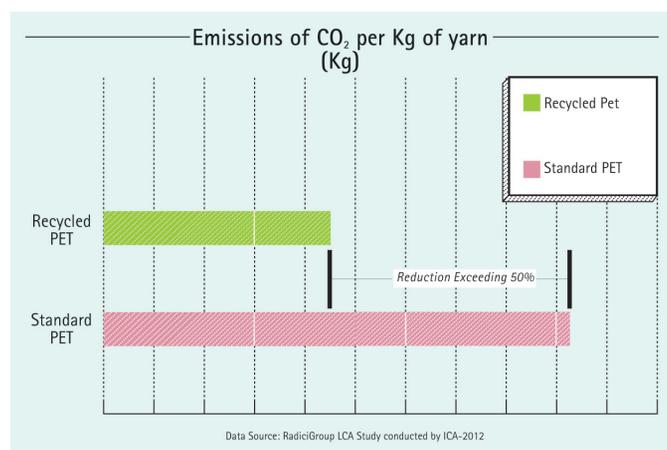
### PET Recycling Means Protecting the Environment

PET is a valuable material since it is derived from non-renewable sources such as oil or natural gas which are depleting fast and becoming more expensive. While repeatedly reworked, PET does not lose its basic characteristics, it can be re-used several times to create high value products. Under certain conditions, **PET** is therefore **100% recyclable** with no harmful emissions.

### PET Recycling Reduces Emissions

PET recycling reduces the emissions of CO<sub>2</sub>: for every kilogram of recycled PET, 3 kilograms of CO<sub>2</sub> are spared. The recycling of 1,000 kilograms of PET prevents the emission of nearly 3,000 kilograms of greenhouse gases corresponding to the emissions of a medium-sized car in one year (\*\*).

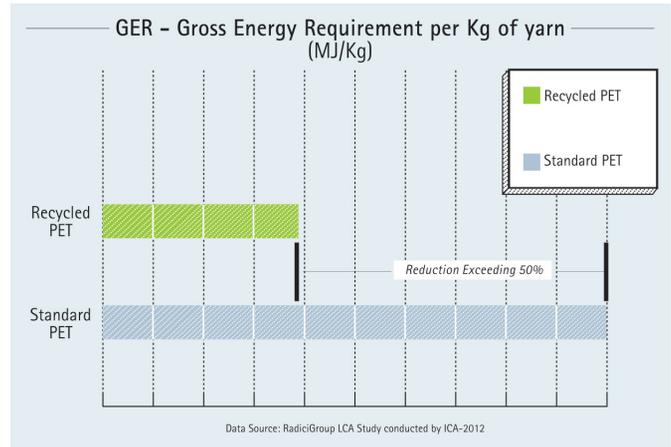
\*\* Carbotech AG 2007 commissioned by PET-Recycling Schweiz. = 20,000 Km/y - 150 gr/Km of CO<sub>2</sub>.





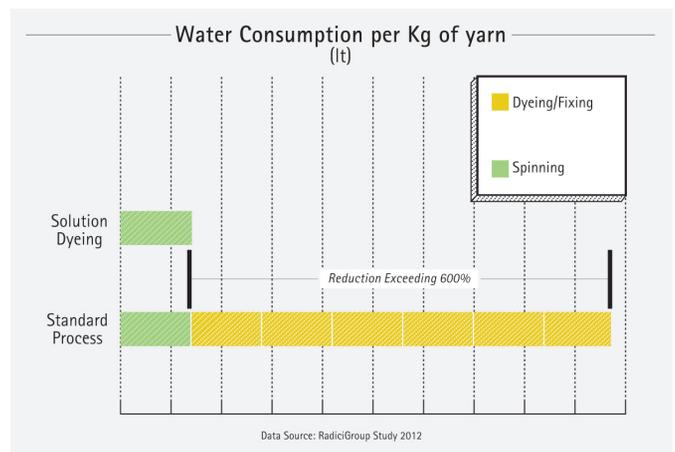
## PET Recycling Saves Energy

Manufacturing new products from recycled PET allows to save approximately 50% of energy. Recycling helps to save the non-renewable energy sources from which PET is derived.



## The Solution Dyeing technology of Noyfil SA

The production process of r-Starlight®, thanks to solution dyeing and additive adding during the spinning process, ensures a very low water and energy consumption if compared to traditional dyeing and finishing processes.



## RadiciGroup Goal: Continual Improvement of Sustainability

RadiciGroup's attention to Sustainability is a long term commitment demonstrated by the voluntary publication of a Sustainability Report every year. All the new products of our Group therefore satisfy the strictest security criteria and have limited environmental impact.

