



r-Radyarn®

RECYCLED PET YARN

Noyfil SpA is able to offer its customers r-Radyarn®, a complete range of recycled products that take advantage of the fully recycled polyester yarn r-Starlight®, produced as POY by its sister company Noyfil SA in Switzerland.

MAIN FEATURES

- It is a continuous polyester filament derived from post-consumer recycled polymer. This yarn boasts complete versatility of production in dope dyed, bacteriostatic and UV stabilized versions.
- The recycled content is guaranteed by Noyfil SA that certifies the "post-consumer" origin of the polymer used for spinning.
- The eco-compatibility of additives and colors used for the solution dyeing process can be certified OEKOTEX Std 100 Class 1.



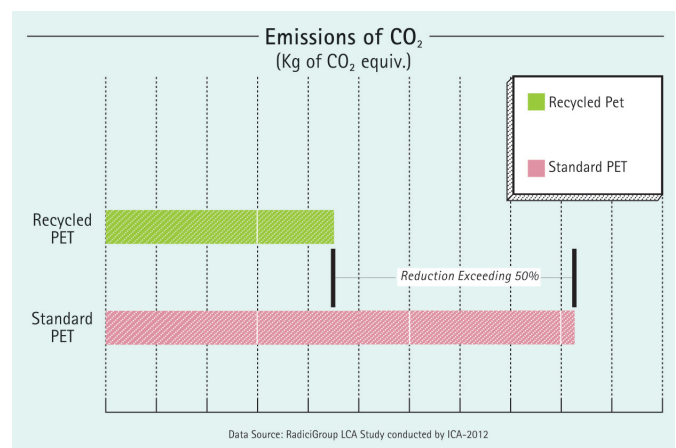
PET Recycling Means Protecting the Environment

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 CO₂: for every kilogram of recycled PET, 3 kilograms of CO₂ 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 (**).

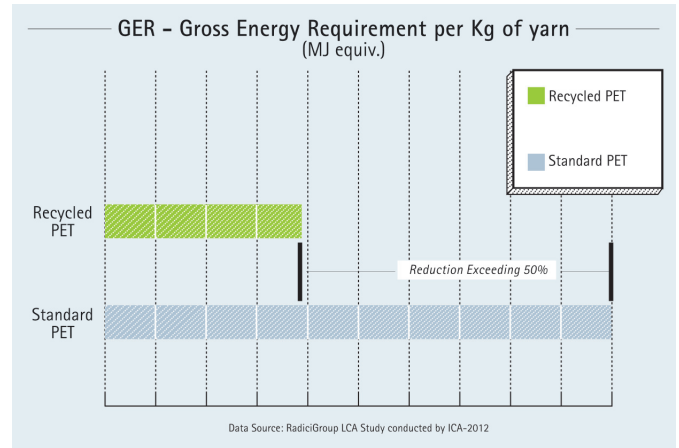
** Carbotech AG 2007 commissioned by PET-Recycling Schweiz. = 20,000 Km/y - 150 gr/Km of CO₂.





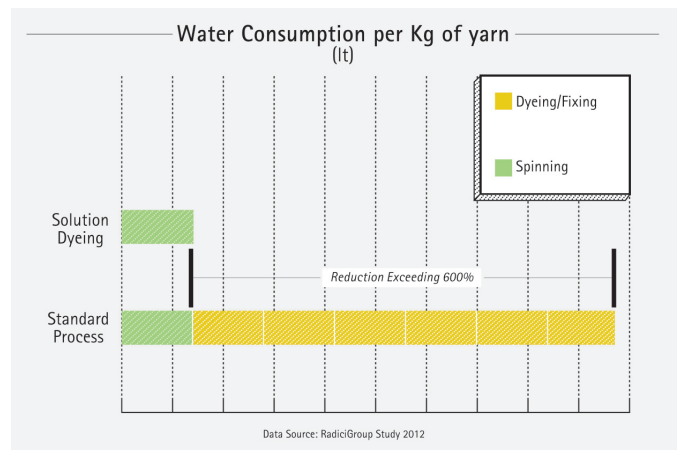
PET Recycling Saves Energy

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.



Another environmentally-friendly feature: Solution Dyeing

The production process of r-Radyarn®, 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.





AVAILABILITY

R-Radyarn® is available as flat or textured on **knitting beams** or **sized beams**, textured, twisted and taslan on **spools** and beams.

Our **r-Radyarn®** yarns are also available as follows:

r-Radyarn®

TECHNICAL SPECIFICATIONS													
ADDITIVES				CROSS SECTION			LUSTER				DPF		
BACTERIOSTATIC "feel"	STABILIZED UV "UV guard"	TRACING "trace"	UV PROTECTION "UVp"	ROUND	TRILOBAL	SPECIAL	SEMIDULL	FULL DULL	BRIGHT	DOPE DYED	YARN DYED	MICRO 0.6 DPF	SUPER MICRO 0.3 DPF
●	●	●	●	●	●	● SKINCORE HOLLOW GLOBAL	●	●	●	●	●		●





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