

Press Release

Frankfurt, 12-15 January 2016

RadiciGroup polyester yarn arrives at Heimtextil 2016



-Radyarn®-

★Starlight®

RadiciGroup has become a fixture at Heimtextil in Frankfurt. From 12-15 January 2016, the biggest international trade fair for home and contract textiles is once again the showcase for the Radyarn® and Starlight® yarn ranges developed by RadiciGroup companies Noyfil SpA and Noyfil SA. The two manufacturers rank among the leading European producers of polyester yarn and boast a long tradition of excellence in the field.

At Heimtextil, RadiciGroup is focusing on its lines of **flame retardant** and **bacteriostatic** yarns, **solution-dyed** yarns – both **conventional** and made of **recycled materials** –, and **ANTIMONY FREE** polyester yarn, available in raw and solution-dyed versions. What do all these RadiciGroup products have in common? Excellent performance, sustainability and safety.

For textile furnishings and contract applications, choose the safety of Radyarn® and Starlight® FR.

Featuring embedded flame-retardant properties, these RadiciGroup continuous polyester yarns are ideal for the indoor and outdoor textile furnishings and contract sectors. Radyarn® and Starlight® FR are available in solution-dyed, bacteriostatic and/or UV-stabilized versions and endow fabrics with:

- Excellent performance
- Safety
- Functionality
- Softness and breathability
- Colourfastness
- Superior quality

Radyarn® and Starlight® FR are presented as part of the [FR Total Care](#) initiative, a collaborative project involving a group of manufacturers in the synthetic fibres industry – including Noyfil SA and Noyfil SpA from RadiciGroup. The team members have pooled their know-how and expertise in the pursuit of a well-defined objective: to bring to the market the best flame retardant solutions in a complete range of high performance FR products and services that combine functionality, safety, customizability and efficiency in terms of cost and sustainability.

But that is not all. FR Total Care also stands for technical expertise, innovation and specialized assistance in fabric construction, design and finishing, as well as support in fabric testing and approval, and marketing consulting.

Radyarn® and Starlight® Bacteriostatic: for exceptionally hygienic fabrics.

These RadiciGroup polyester yarns are manufactured with a micro-structured silver-ion additive that endows the yarn with bacteriostatic properties to inhibit the proliferation of bacteria in the fabric. The silver ions are incorporated directly into the fibre during the extrusion stage and are distributed throughout the yarn, giving Radyarn® and Starlight® Bacteriostatic lasting bacteriostatic effectiveness (over time and even after many washes).

The Radyarn® and Starlight® Bacteriostatic lines mean complete production versatility in all available versions: solution-dyed, flame retardant FR, UV-stabilized and Ceramic.

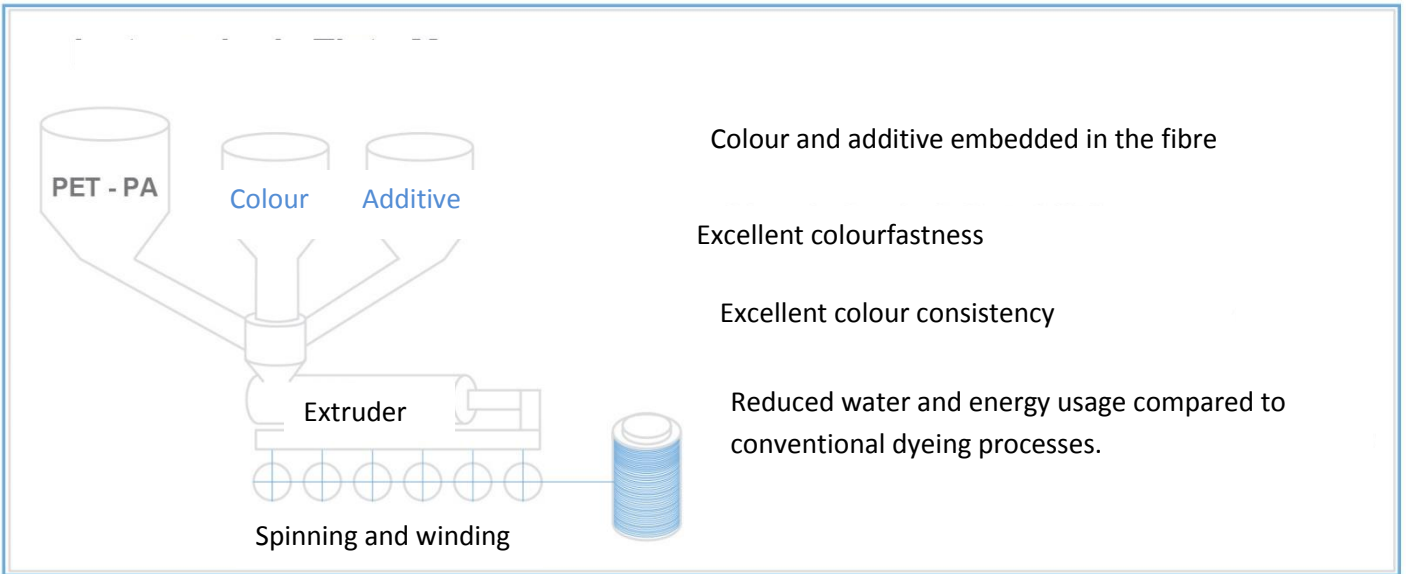
Solution dyeing and post-consumer recycling: to embed sustainability into your textiles.

In Frankfurt, RadiciGroup focuses once again on sustainability as an active process involving people, methodology, continual improvement and concrete action, such as the development of products using renewable source energy, recycled raw materials, biopolymers obtained from renewable natural materials, and dyeing processes (e.g., solution dyeing) that help save precious resources like water and energy.

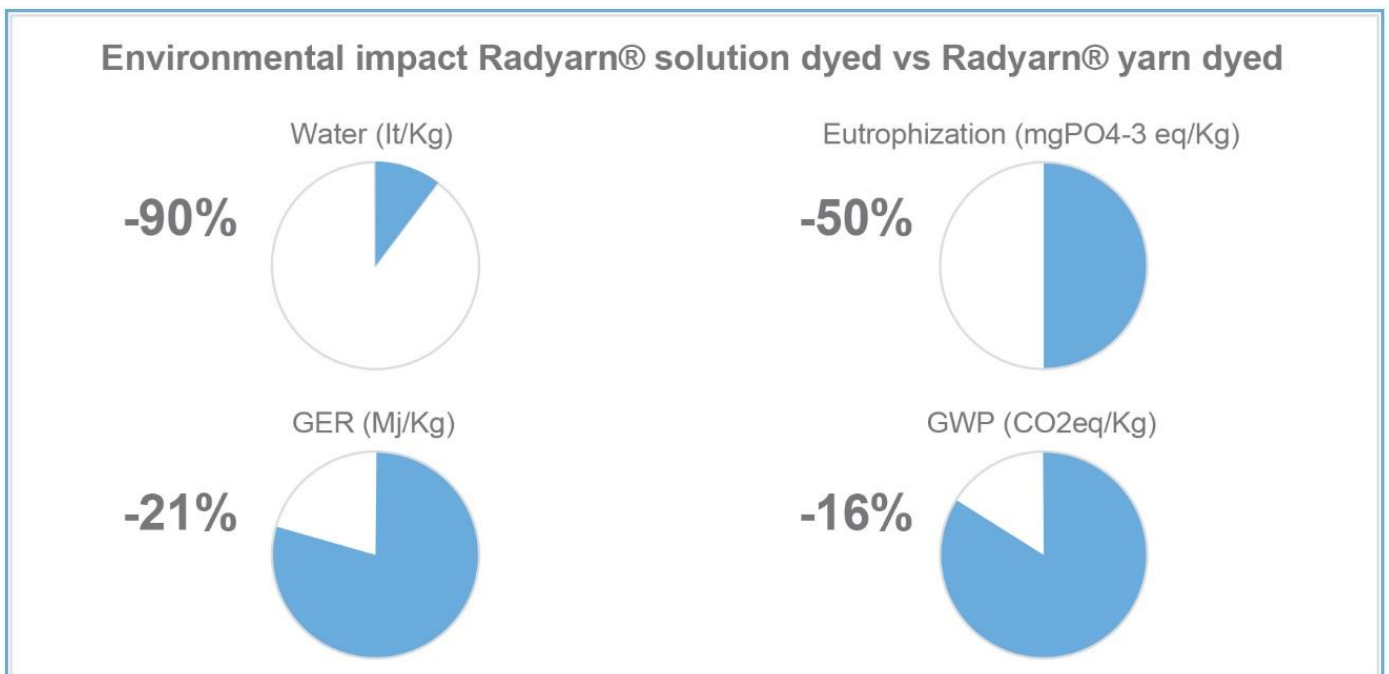
Two of the above sustainability features are star attractions at Heimtextil: solution dyeing and post-consumer recycled PET bottles used to make low environmental impact yarn.

Solution dyeing... Solution dyeing is a one-step process in which colour masterbatch is added to the polymer melt during the extrusion phase of fibre manufacturing and becomes an integral part of the polymer matrix. This technology allows for considerable savings of water and energy compared to traditional post-dyeing and finishing methods.

Solution Dyeing Process



LCA (Life Cycle Assessment) studies done by RadiciGroup – *specifically the measurement of GER, GWP, eutrophization and water consumption for its Radyarn® PET yarn* – have demonstrated that solution-dyed yarn has a smaller environmental footprint compared to conventional post-dyed yarn.



r-Radyarn® r-Starlight®

These yarns made from post-consumer recycled PET bottles are the result of a multi-stage process – from post-consumer bottle collection to reprocessing and yarn production –, all taking place in Europe and monitored at every step.

r-Radyarn® and r-Starlight® are tangibly sustainable products in that they...

- Valorize waste.
- Cut down on plastics disposal.
- Raise awareness of separate waste collection.
- Decrease energy consumption during the manufacturing process with a noticeable reduction in CO2 emissions.
- Avoid excessive use of water when solution dyed.

Radyarn® and Starlight® ANTIMONY FREE

As part of its commitment to offer new products that are safer for end-user health, RadiciGroup has developed ANTIMONY FREE, a continuous polyester yarn free of antimony, a semimetal commonly used as a stabilizer and catalyst in polyester manufacturing.

TECHNICAL SPECIFICATIONS	
Type	FTF – FT – ATY – Draw yarn (Radyarn®) POY – HOY – FDY (Starlight®)
Functionality	ANTIMONY FREE - Polyester filament yarn
Colours	Raw or solution dyed
Final count range	dtex 55 - 330
Filament DPF range	dtex 1.6 – 4.8
Filament cross section	round - trilobal
Application	Textiles for : babies - direct contact to skin – medical - food contact

Did you know ...?



Noyfil SpA and Noyfil SA are two of the 47 textile companies recently recognized for having been Oeko-Tex® Standard 100-certified for the past 20 years.

Confidence in Textiles has been the motto of the independent testing for harmful substances according to OEKO-TEX® Standard 100 for textile products of all types which pose no risk whatsoever to health since 1992.

The OEKO-TEX® label indicates the additional benefits of tested safety for skin-friendly clothing and other textiles to interested end users. The OEKO-TEX® test label therefore provides an important decision-making tool for purchasing textiles.

Why OEKO-TEX®? OEKO-TEX® Standard 100 was introduced at the beginning of the 1990s in response to the demand of the general public for textiles which are harmless to health. “Poison in textiles” and other negative headlines were widespread at this time and indiscriminately branded all chemicals used in textile manufacturing as negative and dangerous to health. The demands we make of modern textile products cannot be realised without the use of specific chemical substances, however. Modern colours, easy care properties, long useful life and many other functional properties of textiles are required today and can be indispensable for certain applications (e.g., for workwear).

Before the introduction of OEKO-TEX® Standard 100 there was neither a reliable product label for the assessment of the human ecological quality of textiles for consumers nor a uniform safety standard for manufacturers in the textile and clothing industry allowing practical assessment of potential harmful substances in textile products. The Austrian Textile Research Institute (ÖTI) and the German Hohenstein Research Institute have therefore jointly developed OEKO-TEX® Standard 100 on the basis of their existing test standards. (Source: <https://www.oeko-tex.com>)

For more information on the RadiciGroup polyester yarn range, please contact: sales.noyfilsvizzera@radicigroup.com

RADICIGROUP – Production and sales sites in Europe, North America, South America and Asia. Diversified businesses focusing on chemicals, plastics, synthetic fibres and nonwovens. Know-how. Vertically integrated nylon production. Constant commitment to guaranteeing its customers quality, sustainable innovation and reliability. All this is RadiciGroup, a leader in nylon chemicals. RadiciGroup products are used in applications such as: APPAREL – FURNISHINGS – AUTOMOTIVE – CONSUMER GOODS – CONSTRUCTION – ELECTRICAL AND ELECTRONICS – HOUSEHOLD APPLIANCES – SPORT. RadiciGroup, with its Chemicals, Plastics, Synthetic Fibres and Nonwovens Business Areas, is part of a larger industrial group that also includes textile machinery and energy businesses.
