



## PRESS RELEASE

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For immediate release

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### **r-Radyarn® for sport: low environmental impact yarn for safe, high-performance fabrics.**

- **Produced from post-consumer recycled PET bottles:** RadiciGroup r-Radyarn® polyester yarn is a safe, high-quality solution for the technical sportswear sector.
- **Free of heavy metals and other toxic substances:** yarn that offers maximum comfort, freshness, breathability, colour solidity and thermoregulation. Good not only for the health but also the environment.

RadiciGroup **r-Radyarn®** is a low environmental impact product made from 100% post-consumer recycled PET bottles. It is an eco-sustainable yarn ideal for applications in the technical sportswear and medical sectors. What is more, r-Radyarn® is a safe product, 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.

“There is so much talk about the green revolution and it affects us directly,” said **Roberto Parenzan**, *RadiciGroup Polyester Area R&D manager*. “Sustainability concerns so many of our target sectors, from technical sportswear to intimatewear and automotive, to mention just a few. Now the players involved must set forth goals that are clearer, more concrete and more tangible.”

“The r-Radyarn® range,” Mr. Parenzan continued, “represents a concrete example of our commitment to increasing the lifecycle of raw materials, reducing energy consumption and lowering CO<sub>2</sub> emissions, as well as safeguarding the health and safety of people. The latter issue has recently been the centre of attention of the world of sport, football, in particular. Indeed, during the last few weeks, the European Consumers’ Organization (BEUC), after an investigation, warned against the presence of toxic substances, dangerous to the health, in the shirts of some teams participating in the 2012 European Football Championship. The results of the investigation, once again in the strongest terms, stressed the need for sportswear producers to have reliable suppliers. Our Group has developed the r-Radyarn® range so it can offer its customers sustainability, high performance and safety. In creating r-Radyarn® we have turned plastic waste into a resource and a new raw material that finds its application in sportswear with a smaller measurable environmental footprint, maximum comfort, freshness, breathability, colour solidity and thermoregulation. Sustainable, high-performance garments that are, above all, safe. Our Oeko-Tex certified yarns are free of

heavy metals and other toxic substances and can be confidently used to manufacture garments with guaranteed safety.“

The r-Radyarn® range is available in a variety of counts, colours and lustres, and in three different versions: textured, interlaced and taslan (*POY and drawn versions of this eco-compatible yarn are sold under the r-Starlight® brand name*).

r-Radyarn® comes in several cross-sections: standard (round and trilobal) and special (multi-lobal, channel and hollow trilobal). For higher environmental sustainability, these yarns are also available in solution-dyed versions. Besides utilizing recycled raw materials, solution-dyed r-Radyarn® ensures a considerable savings in both water and energy consumption, in addition to lower waste treatment costs.

r-Radyarn® producer Noyfil SA and Noyfil SpA, – *two RadiciGroup company ranking among the European leaders in the manufacture of a wide range of polyester yarns* – is known for its production flexibility. This means r-Radyarn® can be made to customer specifications, including colour, and even in small lots (minimum quantity: 200 kg). Furthermore, RadiciGroup provides a custom-tailored sampling system. r-Radyarn® also comes in bacteriostatic and anti-UV versions.

## **r-Radyarn®** Tangibly sustainable...

Reduces the quantity of plastics disposed of in landfills

Gives value to waste

Creates awareness of separate waste collection

Cuts energy consumption during production with a considerable reduction in CO2 emissions

Oeko-Tex certified

If solution-dyed (polymer dyed at the spinning stage), does not require excessive water consumption (In the traditional yarn or fabric dyeing process, 70 litres of water are consumed per kilogram of product)

### Applications...

Apparel (*sport, fashion, intimatewear, hosiery*)

Automotive (*seats, upholstery, liners*)

Technical / industrial (*coverings, filters, netting, ropes*)

Medical (*bacteriostatic fabrics, elastic bandages, body contouring items/support hose*)

Furnishings (*curtains, linings, wall coverings/upholstery*)

**For more information on r-Radyarn®**

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➡➡➡➡ [www.radicigroup.com/r-Radyarn](http://www.radicigroup.com/r-Radyarn)

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**RadiciGroup for sustainability...**

Using sustainability as a tool for business, innovation and corporate culture. This is the challenge RadiciGroup is tackling, well aware of the huge environmental, social and economic impact of the activities of an industrial enterprise during its entire life cycle and of the fact that a sustainable approach to doing business can make a real difference.

RadiciGroup's commitment to sustainability calls for concrete actions involving its entire production chain: from chemicals to plastics and synthetic fibres.

What are just a few examples of the Group's commitment to sustainable action? Making the transition to reporting corporate responsibility according to [Global Reporting Initiative \(GRI\)](#) guidelines. Establishing a relationship of respect with its stakeholders involving direct and transparent dialogue. Reducing greenhouse gas emissions by 20%. Reducing energy consumption by 20%. Increasing the use of renewable source energy by 20%. Increasing the use of materials from the recycling of both post-consumer waste and its own production waste/rejects by 20%. In 2011 the share of renewable source electric power used by RadiciGroup rose to 40%. In the same year, the share of recycled materials originating from its own polyamide production chain was 15%.



RadiciGroup has developed products using renewable source materials: Radilon® D PA610 engineering plastics and CornLeaf, a polylactic acid (PLA) biopolymer yarn.

Moreover, products made from post-consumer recycled materials: r-Radyarn® and r-Starlight® yarns, obtained by reprocessing post-consumer recycled PET bottles. And other products helping to lower CO<sub>2</sub> emissions: Radilon® engineering plastics, which can be used as metal replacements in automotive applications.

RadiciGroup implements projects that aim at safeguarding natural resources, such as water and air, and uses methods, such as *Life Cycle Assessment (LCA)*, to measure and quantify product performance in terms

of environmental impact. The Group is committed to publishing *Environmental Product Declarations (EPDs)* for its products, according to the specific requirements set forth in the *Product Category Rules (PCR)*.

Also significant is the Group's active participation in sustainability issues as a member of industry associations and organizations, such as Federchimica, particularly its Responsible Care® programme, Assofibre and Plastics Europe. In the communities where its production sites are located, RadiciGroup supports projects and events on environmental protection and sustainability themes and strives to raise the environmental awareness of its employees by promoting a culture of sustainability – all the while, respectful of local communities, people and cultures.

What is sustainability to RadiciGroup? An important challenge...

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**RADICIGROUP FIBRES** RadiciGroup is a leading European manufacturer of a vast range of products – from polyamide 6 and 66 yarn to polyester yarn, high-tenacity BCF, polyamide and polyolefin yarn for artificial grass, and acrylic yarn, staple fibre, tow and top. These products are used for applications in the apparel (technicalwear, intimatewear, sportswear), furnishings, consumer goods, automotive, medical, industrial, nautical, sports and leisure sectors. RadiciGroup fibres are part of our daily lives.  
**[WWW.RADICIGROUP.COM/FIBRES](http://WWW.RADICIGROUP.COM/FIBRES)**

**RADICIGROUP** 3,500 employees. Production and sales sites in Europe, North America, South America and Asia. Diversified businesses focusing on chemicals, plastics and synthetic fibres. 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, sports, furnishings, automotive, electrical/electronics, household appliances and consumer goods. **[WWW.RADICIGROUP.COM](http://WWW.RADICIGROUP.COM)** RadiciGroup, with its Chemicals, Plastics and Synthetic Fibres Business Areas controlled by parent company Radici Partecipazioni SpA, is part of a larger industrial group that also includes textile machinery and energy businesses. **[WWW.RADICI.COM](http://WWW.RADICI.COM)**

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