



PRESS RELEASE

FRANKFURT, 14-17 JANUARY 2015



Radyarn® and Starlight® polyester yarns take centre stage at Heimtextil.

- *At Heimtextil, the International trade fair for home and contract textiles, RadiciGroup is focusing on its Radyarn® and Starlight® Flame Retardant and Bacteriostatic polyester yarns.*
- *Radyarn® and Starlight® FR: combining flame-retardant properties with high performance, safety, functionality, softness, breathability and colourfastness.*
- *Radyarn® and Starlight® BACTERIOSTATIC: the right choice for innovative antibacterial fabrics.*

RadiciGroup, a leading European producer of a vast range of polyester yarn, is back in Frankfurt at HEIMTEXTIL 2015 with the FR and BACTERIOSTATIC versions of its **Radyarn® and Starlight®** yarns.

RADYARN® AND STARLIGHT® FLAME RETARDANT AND THE FR TOTAL CARE PROJECT...

Within the context of its [FR Total Care](#) project, RadiciGroup is introducing polyester continuous filament yarn featuring intrinsic flame-retardant properties. Radyarn® and Starlight® Flame Retardant yarns – available in solution-dyed, antibacterial and UV-stabilized versions – are ideal for applications in the indoor and outdoor textile furnishings and contract sectors, because they add high performance, safety and functionality to fabrics. These yarns also feature softness, breathability, colourfastness and high quality.

“These flame retardant products continue to generate positive feedback from the market,” said **Andrea Marcassoli**, of *Noyfil SpA Technical Assistance*. “During this past year we have worked hard on optimizing the products through analysis and testing in order to provide our customers with yarns for flame-retardant fabrics compliant with all the strictest laws, standards and regulations, which may be different from country to country and may depend on the type of application.” [Table 1 gives the main relevant standards and regulations.]

“The value added we offer our customers lies in being more than just a supplier,” Mr. Marcassoli continued. “Through FR Total Care, a project founded through the partnership of synthetic fibre industry leaders, in which RadiciGroup is represented by its companies Noyfil SA and Noyfil SpA, we are able to provide full-spectrum service, including support throughout the fabric design, processing, testing and certification stages.”

TABLE 1

Standard	Description	Application	Performance
ISO 4589-2	Determination of limit oxygen index (LOI).	Plastics Polymer	LOI >30
NF P 92.503 NF P 92.504 NF P 92.505	Reaction to fire tests: Electric burner – flame propagation test – test for melting materials.	Upholstery Textiles Furnishings	M1
UNI 8456 UNI 9174	Reaction to fire by application of a small flame on both sides – reaction to fire by action of ignition flame in presence of radiant heat.	Curtains Drapes Home textiles	Class 1
NF 16-101 NF X 10-702 NF X 70-100	Reaction to fire – smoke emission, optical density of smoke – analysis of combustion gases.	Railway materials and components	F1
ISO 3795	Determination of burning behaviour of interior materials for motor vehicles.	Vehicle interiors	Pass

“In 2014, growth in these flame-retardant products has continued its upward trend,” said **Maurizio Vedovati**, *general manager of Noyfil SpA and sales manager of the RadiciGroup Polyester Business RadiciGroup*. “This is particularly the case for FR versions stabilized against the effects of outdoor exposure, such as our FR UV-stabilized Radyarn® and Starlight® yarns, which are available in a wide range of solution-dyed colours and resistant to photodegradation, and our FR Bacteriostatic with bacteriostatic functionality added. For 2015, we have a good growth outlook (+20%) for our flame-retardant products, both in the solution-dyed variants and the dyed yarn for traditional applications in the furnishings segment. For this year, we also foresee 15% growth for the microfibre FR and solution-dyed bacteriostatic yarn lines.”

THE MAIN APPLICATIONS FOR FLAME RETARDANT POLYESTER SOLUTIONS FROM FR TOTAL CARE

- Furnishings
- Apparel
- Automotive
- Transport

-Radyarn®- FR  **Starlight® FR**

FOR MORE INFORMATION ON RADYARN® AND STARLIGHT FR

PLEASE CONTACT OUR SALES OFFICE: petyarn.fibres@radicigroup.com

RADYARN® AND STARLIGHT® BACTERIOSTATIC



Polyester yarn manufactured with a nanostructured silver additive incorporated into the fibre during the extrusion stage before spinning (no post-treatment needed), which endows the yarn with bacteriostatic properties that inhibit the proliferation of bacteria on the fabric.

Radyarn® and Starlight® Bacteriostatic yarns ensure complete production versatility: the product range is available in all solution-dyed PET versions in combination with flame retardant FR and FR-UV-stabilized.

Compared to conventional products, Radyarn® and Starlight® Bacteriostatic ensure:

- Greater stability and colourfastness: no change in colour thanks to the stability of the new generation oxidation-resistant active ingredient and the addition of masterbatch colour pigment during the extrusion phase.
- Prevention of bad odour caused by microorganisms: the inhibition of bacterial proliferation remains effective even after washing.
- Long-lasting effectiveness and wash resistance: metal silver microparticles ensure greater effectiveness over time, definitely superior to other products tested.
- Low environmental impact: no need for special finishing treatments, which usually require great amounts of water and energy.
- No deterioration of the mechanical characteristics of the yarn: the active ingredient incorporated into the fibres does not affect product characteristics or hinder downstream textile processing.



BACTERIOSTATIC

FOR MORE INFORMATION ON RADYARN® AND STARLIGHT BACTERIOSTATIC,
PLEASE CONTACT OUR SALES OFFICE: petyarn.fibres@radicigroup.com

RadiciGroup's strong points in polyester yarn production include the capability to optimize its products by tailoring their characteristics to best meet customer specifications. This is made possible by RadiciGroup's total control over production, from spinning to downstream processing.

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.*

WWW.RADICIGROUP.COM



PRESS OFFICE

Cristina Bergamini

RadiciGroup Press Office

Ph. + 39 035.715411

e-mail. cristina.bergamini@radicigroup.com