



PRESS RELEASE

For immediate release

Cologne, Germany, 26-28 October 2011

RadiciGroup showcases Radigreen® yarn range at FSB 2011 international trade fair

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RADIGREEN®

*During FSB 2011, a leading event for amenity areas, sports and pool facilities, Tessiture Pietro Radici SpA (TPR) — an ancestral RadiciGroup company and the **only supplier in the world with a complete range of nylon and polyolefin yarn for synthetic turf** — is showcasing its products, including the latest developments, for the sport and landscaping sectors. Spotlight on:*

- **Radigreen® MFL PA** – a polyamide monofilament available in textured and straight versions, the result of RadiciGroup's experience and know-how in the nylon sector.
- **New and exclusive Radigreen® MFL PE shapes** – polyethylene monofilament featuring great performance for high-end sport and landscaping applications.
- **MY Radigreen®** – an exclusive “all-in-one” combination of straight and textured monofilament developed for residential/domestic and commercial synthetic turf.

From 26 to 28 October, the RadiciGroup **Radigreen®** polyamide and polyolefin yarn portfolio — the result of the Group's years of experience in the artificial grass sector — is once again playing a leading role at the FSB international trade show in Cologne. Radigreen® yarn can meet the specific needs of all kinds of applications, from **sports** (football, five-a-side, rugby and hockey pitches, American football fields and golf courses) to **landscaping** (indoor and outdoor synthetic turf for the residential and commercial markets).

Know-how in raw materials, production processes and applications. Flexibility, collaboration and constant dialogue with customers. These are the reasons why Tessiture Pietro Radici can offer customized products to meet every expectation and requirement of its customers. Radigreen® means high quality yarn and, what is more, yarn that is manufactured in full compliance with all safety regulations.

During FSB 2011, RadiciGroup is highlighting **Radigreen® MFL PA**, new **Radigreen® MFL PE** shapes and the exclusive **MY Radigreen®** line.

Radigreen® MFL PA...

Nylon monofilament is the most recent addition to the RadiciGroup artificial grass yarn portfolio. Radigreen® MFL PA is a line of eco-sustainable products (the polymer raw material is produced using RECS renewable energy supplied by partner Geogreen) developed through the combined know-how of the Tessiture Pietro Radici R&D team and RadiciGroup as a whole, one of the world's leading nylon manufacturers. The **main applications** are sports fields, landscaping and decorative uses.

“The development of our polyamide monofilament,” said **Marianna Panico**, *Tessiture Pietro Radici R&D Manager*, “has put us in a unique market position compared to our key competition. With our knowledge of raw materials, production processes and final applications, we can design and develop monofilament using new formulations of nylon resin. These products are targeted at meeting the needs of our users who are becoming more and more demanding about quality and safety. Quality and safety are two distinctive features of our Radigreen® line and are guaranteed not only by our own know-how but also by FIFA accredited certifying bodies. We can also count on our excellent production flexibility and ability to customize our yarn. The right size of our company allows us to keep in close contact with our customers to understand their requirements and to work with them step by step during the development process in order to achieve the product that best meets their needs.”

There are two main types of Radigreen® MFL PA:

- **Textured**

Very thin textured monofilament woven with a tight weft to make hard resistant turf used mostly for golf courses and other sports that require a compact, high performance surface.

- **Straight**

Straight (non-textured) monofilament that achieves the perfect balance between softness and resistance, mainly used in the landscaping sector.

Radigreen® MFL PE...

ALBATROS, LOB, MAJOR, PAT, S-CORE: Tessiture Pietro Radici has created new and exclusive Radigreen® MFL PE polyethylene monofilament shapes.

Designed and developed to meet specific performance and application needs, the new Radigreen® MFL PE shapes ensure:

- Excellent weavability
- Easy installation
- Superior wear resistance
- Great resilience over time

What is the common denominator of this high performance monofilament line? The top grade raw materials that are selected and tested in accredited/certified laboratories.

Synthetic turf manufactured with Radigreen® MFL PE is inviting to play on. Like natural grass, this yarn feels soft and pleasant to the touch. Soft yet resistant, Radigreen® MFL PE has excellent resilience and minimizes the risk of skin abrasion.

New shapes

RADIGREEN® MFL PE ALBATROS



Synthetic turf yarn with the most advanced technical and aesthetic properties, RADIGREEN® MFL PE ALBATROS was developed to meet the most stringent requirements of artificial grass carpet makers.

The midrib supports the blade and there is no noticeable difference in thickness between the two sides. As a result, RADIGREEN® MFL PE ALBATROS is resilient without sacrificing resistance to wear and tear from continuous trampling. The two “wings” of the blade make the yarn pleasantly soft to the touch, just like natural grass, and minimize the risk of skin abrasion.

The “wingspan” of RADIGREEN® MFL PE ALBATROS yarn has been designed to maximize turf coverage (a version with 6 single ends ply-twisted together also available).

- **Advantages**

- Superior resilience - Unmatched softness
 - No risk of skin abrasion – Great coverage

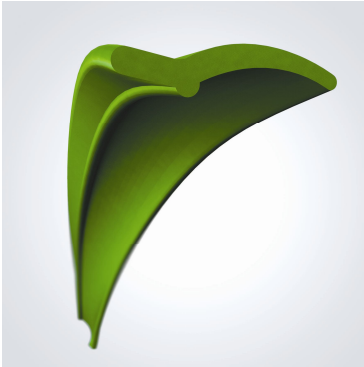
- **Certified non-toxic**

- Lead- and phthalate-free (**CPSC-CH-1002-08 US Consumer Product Safety Commission**, total lead, and **EN 14372** Plasticized Materials, determination of plasticizers [phthalates]).

UV A and UV B certification already available.



RADIGREEN® MFL PE LOB



One side of the blade is backed with a visible midrib running vertically along the length to significantly improve the yarn's resistance or "memory". This means that synthetic turf made with RADIGREEN® MFL PE LOB offers exceptional performance by springing back into upright position after being trampled on instead of staying matted down. Moreover, ball roll and biomechanical tests over time show excellent results. The wider, slightly thinner blade "wing" reproduces the irregular shape of a natural grass blade and provides two main advantages: improved softness against the skin and a greater heat exchange surface, due to the special elongated shape. The

latter feature balances the mechanical properties (yarn count and thickness) with the heat exchange properties, allowing the yarn to release accumulated heat and cool down faster. The 6 or 7 single ends ply-twisted together make RADIGREEN® MFL PE LOB even more unique, as the variety of green shades faithfully reproduces the look of natural grass.

- **Advantages**

Excellent resilience – Pleasing softness combined with great wear resistance

No risk of skin abrasion - Superior UV resistance

- **Certified non-toxic**

Lead- and phthalate-free (**CPSC-CH-1002-08 US Consumer Product Safety Commission**, total lead, and **EN 14372** Plasticized Materials, determination of plasticizers [phthalates]).

UV A and UV B certification already available.

RADIGREEN® MFL PE MAJOR



TPR developed RADIGREEN® MFL MAJOR for customers looking for optimal thickness in fine counts. To meet the needs of a variety of applications, RADIGREEN® MFL MAJOR is available in polyamide, polypropylene and polyethylene.

- **Advantages**

Optimal resilience and wear resistance up to 40,000 Lisport cycles Compact, resistant structure

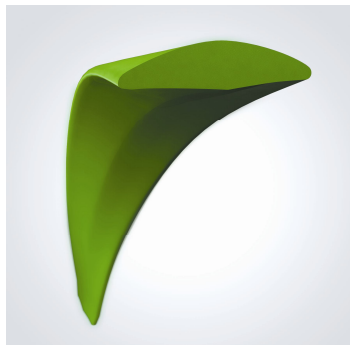
Great coverage – Excellent UV resistance

- **Certified non-toxic**

Lead- and phthalate-free (**CPSC-CH-1002-08 US Consumer Product Safety Commission**, total lead, and **EN 14372** Plasticized Materials, determination of plasticizers [phthalates]).

RADIGREEN® MFL PE PAT

Thanks to its smooth rounded shape, RADIGREEN® MFL PE PAT is the best performing monofilament in the range in terms of wear resistance.



The successful melding of chemical formulation and design has yielded a special yarn that remains perfectly intact after more than 40,000 Lisport cycles. RADIGREEN® MFL PE PAT is the result of TPR's long experience in the field of sports turf yarn and the Radigreen® R&D team's collaboration with polymer raw material producers. In order to achieve superior wear resistance while retaining softness and resilience, RADIGREEN® MFL PE

PAT is manufactured with a mix of special polyethylene resins, selected and formulated to improve the resistance of the yarn across the full width of the blade.

- **Advantages**

- Unmatched wear resistance (more than 40,000 Lisport cycles)
 - Excellent UV stability – Perfect blend of softness and resilience

- **Certified non-toxic**

- Lead- and phthalate-free (**CPSC-CH-1002-08 US Consumer Product Safety Commission**, total lead, and **EN 14372** Plasticized Materials, determination of plasticizers [phthalates]).

RADIGREEN® MFL PE S-CORE



Offering high technical performance matched by the greatest player comfort, RADIGREEN® MFL PE S-CORE was designed with a focus on resilience. With its superior ability to spring back after being trampled on, the yarn exhibits excellent results over time in ball roll and biomechanical testing. The blade "wings" are symmetrical all along the midrib and give the yarn a soft silky feel. The exclusive "S" shape of RADIGREEN® MFL PE S-CORE optimizes turf coverage.

- **Advantages**

- Pleasant tickling sensation on the skin – Excellent resilience and wear resistance over time
 - Great coverage – Superior UV resistance

- **Certified non-toxic**

- Lead- and phthalate-free (**CPSC-CH-1002-08 US Consumer Product Safety Commission**, total lead, and **EN 14372** Plasticized Materials, determination of plasticizers [phthalates]).

UV A and UV B certification already available.

MY Radigreen®...

A range of exclusive products developed specifically for residential/domestic and commercial synthetic turf, MY RADIGREEN® gives turf makers maximum flexibility in production and colour. MY is the acronym for MULTI-YARN, a single-bobbin combined monofilament.



With this “all-in-one” combination of straight and textured monofilament, customers have all the yarn needed for the finished product on just one bobbin: the desired colour mix of soft straight

monofilament yarn and textured monofilament featuring different degrees of texturing.

Among the products available today are:

- Straight PE monofilament + textured PP monofilament
- Straight PE monofilament + textured PE monofilament
- Straight PE monofilament + textured PA monofilament

MY RADIGREEN® is the ideal solution for anyone who needs long-lasting synthetic turf with unmatched aesthetic appeal.

For more information on the Radigreen® range:

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RADIGREEN®. SHAPED TO WIN.

www.radigreen.com

RADICIGROUP With 2010 consolidated sales of EUR 1.162 billion, RadiciGroup is one of Italy's leading chemicals multinationals, a diversified group specializing in chemicals, plastics and synthetic fibres. Among the Group's key strengths is the synergistic vertical integration of its polyamide production chain. RadiciGroup products are exported all over the world and are widely used in applications such as apparel, sports, furnishings, automotive, electrical/electronics, household appliances and consumer goods. 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

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