



4 - 8 MAY 2015

Anhembi | São Paulo – SP | Brazil
From 11 am to 8 pm

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PRESS RELEASE

Anhembi - São Paulo, 4-8 May 2015

FEIPLASTIC: the latest showcase for RadiciGroup Plastics specialities.

■ From 4 to 8 May, Radici Plastics Ltda is in Anhembi, São Paulo, Brazil, representing the RadiciGroup Plastics Business Area – one of the world’s leading PA, PBT, TPE and POM engineering plastics manufacturers – at the FEIPLASTIC trade show, the most important exhibition in South America for the plastics industry.

■ After the NPE trade show in Orlando, Florida, the RadiciGroup Plastics RADILON® and RADISTRONG® specialities and complete range of extrusion products are once again taking centre stage at an international event.



RADICIGROUP PRESS CONFERENCE: the event is to be held on 5 May, at 5:00 pm, in the [Ilha do Conhecimento](#) venues. **Carlo Grassini**, from *RadiciGroup Plastics Technical Service & Market Development*, is giving a talk on innovation and sustainability.

The Brazilian event is the third showcase of international scope this year for RadiciGroup PA, PBT, TPE and POM engineering plastics. After PlastIndia and NPE, the RadiciGroup Plastics Business Area – whose **Radici Plastics Ltda** production site has been operating in Brazil since 1997 – is exhibiting its products at FEIPLASTIC, the main trade fair in South America for the plastics industry. The 2015 edition of the biennial FEIPLASTIC event is taking place in the Anhembi exhibition centre, where 70,000 visitors and 1,400 Brazilian

----- RadiciGroup at FEIPLASTIC 2015

and international exhibitors are expected to participate (*in 2013 there were more than 69,000 visitors and 1,402 exhibitors*).

As at the two previous trade shows this year, RadiciGroup is focusing on its **RADILON® enhanced heat-resistant specialities** – from traditional HHR to new RADILON® XTreme –, the **RADISTRONG®** long-fibre reinforced PA6 and PA6.6 specialities, and the **RADILON® D** and **RADILON® DT** nylon 6.10 and 6.12 polyamides. Ample space is also being given to the range of **extrusion products**, from conventional nylon engineering plastics to specialities, thermoplastic elastomers and acetal copolymers.

“At FEIPLASTIC we are focusing on the high performance products that are the pride of our Group,” said **Jane Campos**, *CEO of Radici Plastics Ltda*. “These are the products the Group has invested in and will



continue to invest in heavily, because they are the key to reaching the markets where applications with stronger technical content predominate. These new specialities ensure decidedly better performance than conventional polyamides. I’m talking about greater impact strength and greater resistance to higher temperatures of up to 230° C, for instance. Not to mention enhanced creep and fatigue resistance, and greater mechanical resistance and stiffness at high temperatures.”

“Currently, Brazil is going through difficult economic and political times,” Ms. Campos continued. “There is great uncertainty for the future. This is why loyalizing and maintaining good relationships

with our customers is crucial for us. We must work hard, adjusting our strategies to the local scenario, but without ever losing sight of our objectives: to innovate and – step by step – acquire market share in South America, which still is vastly unexplored territory for a good part of the polymer manufacturers, and to continue strengthening the support and assistance given to our customers. The South American market makes up about 10% of the total sales revenues of the RadiciGroup Plastics Business Area. Taking into account the size of the engineering plastics sector in South America, the 10% figure shows just how significant a market share we hold in this geographical region.”

What are Radici Plastics Ltda’s business strengths? Vertical integration of raw materials. Know-how. Flexibility and promptness in providing technical and development support to our customers. An extensive, well-organized sales network. Over the period from 1997 to the present, Radici Plastics Ltda has established itself in the local market as one of the best-qualified suppliers of a wide range of PA, PBT, TPE and POM engineering plastics.

RADILON® HHR E RADILON® XTREME: DESIGNED TO WITHSTAND HIGH TEMPERATURES.

RADILON® HHR



RADILON® A RV350HHR

Turbo resonator made of high-temperature resistant PA66-GF35.

Application sector: AUTOMOTIVE.

Radilon® HHR nylon 6.6 engineering plastics feature excellent high-heat ageing resistance at temperatures of up to 210°C.

They are suitable for injection and blow moulding and are available in 15%, 20% and 35% glass-fibre-filled versions, which can be used as metal or special polymer (PPS, PPA, PA46) replacements.

Radilon® HHR products were formulated using a special RadiciGroup technology that allows for a dramatic reduction in mechanical properties degradation in materials at service temperatures of up to 210°C in air. **RADILON® A RV350HHR** is the ideal solution for applications such as **intercooler end caps, turbo ducts and resonators**.

RADILON® XTREME



RADILON® XTREME RV200UK

Grass mower components made of PA-GF20. UV resistant – excellent appearance – available in several colours.

Application sector: CONSUMER GOODS.

The recent addition of the new RADILON® XTreme speciality line to the already existing RadiciGroup HHR line has extended the application temperature range of this class of products. RADILON® XTreme materials were developed for hot-air applications at continuous operating temperatures of up to **230°C**, through a synergistic collaboration of the RadiciGroup Plastics and Chemicals Business Areas. RADILON® XTreme engineering plastics are mainly used in **automotive** (turbo air ducts, EGR heat exchanger components and resonators), **electrical** applications (high-temperature electrical insulation components) and **power tools** (components for grass mowers/cutters, chain saws, brush cutters, etc.).

Among the key RADILON® XTREME technical characteristics ... Melting temperature, 280°C (+20°C compared to PA6.6); glass transition temperature, 90°C (+20°C compared to PA6.6); moisture absorption at saturation, 7% (-25 % compared to PA6.6).

RADISTRONG®: IDEAL FOR METAL REPLACEMENT

RADISTRONG® specialities are available in nylon 6 and 6.6 versions. Due to their characteristics, they are

ideal for metal replacement in critical applications where high performance not attainable by traditional engineering plastics is required. The new RADISTRONG® long-fibre specialities are manufactured by pultrusion and are available with from 20% to 60% glass-fibre or carbon-fibre fill.

Application sectors include: automotive and household appliances, sports and leisure, industrial.



RADISTRONG® A LGF60W 3739 BK12

Pedal support made of PA6.6-LGF60, featuring heat resistance, excellent creep resistance and superior impact strength.

Application sector: AUTOMOTIVE.

Main advantages of the new RADISTRONG® long-fibre specialities compared to conventional polyamides include:

- Superior impact strength
- Improved creep and fatigue resistance
- Greater mechanical resistance and stiffness at high temperatures.

RADILON® D: NATURALLY PERFORMING

Ideal for injection and extrusion moulding, these materials are produced from PA6.10, a biopolymer obtained from sebacic acid (64% by weight). Sebacic acid is a product of natural origin extracted from the seeds of the castor oil plant, which is grown mainly in India and China in semi-arid regions and, for this reason, does not compete with agricultural food products.

Radilon® Ds ensure a high level of sustainability, as well as excellent performance. These RadiciGroup PA6.10 polyamides feature properties that are the equivalent of, if not superior to, those of conventional polyamides

Compared to PA6 and PA6.6, RADILON® D polyamides show ... reduced moisture uptake, less loss of tensile strength and tensile modulus under wet conditions, better chemical resistance to zinc chloride and calcium chloride, and improved glycol resistance. RADILON® Ds are ideal for automotive applications such as: fuel lines, fuel line connectors, pneumatic conduit, brake conduit and under-the-bonnet components.

RADILON® DT: OUR PA6.12 SPECIALITIES.

Nylon 6.12 engineering plastics with good mechanical properties and excellent chemical resistance, even to zinc chloride solutions.

Furthermore, RADILON® DTs ensure:

- Good hydrolysis resistance
- Exceptional resistance to stress cracking even in contact zones between conduits and fittings
- Good dimensional stability because of low moisture absorption

RADILON® DTs are ideal for applications in the automotive and industrial sectors.

RADILON®, HERAFLEX® AND HERAFORM®: A COMPLETE RANGE OF PRODUCTS FOR EXTRUSION.

Now, RadiciGroup offers a more complete range of products for extrusion. From conventional RADILON® nylon engineering plastics to RADILON® XTreme, RADILON® D and RADILON® DT specialities, HERAFLEX® thermoplastic elastomers and HERAFORM® acetal copolymers. Depending on their technical characteristics, the products are ideal for industrial, consumer goods and sports applications.

MAIN APPLICATIONS...

MONOFILAMENT



Fishing nets, tennis rackets (RADILON® S PA6 and copolymers ensuring mechanical resistance and transparency) - Toothbrushes, dental floss (RADILON® D PA6.10 and RADILON® DT PA6.12) - Monofilament for press felts for paper machines (RADILON® D PA6.10) - Fabric for industrial filtration (RADILON® D PA6.10) - Sewing thread (RADILON® D PA6.10) - Cleaning brushes for industrial ovens (RADILON® A PA6.6 and RADILON® XTREME high temperature resistant polyamides) - Industrial filtration and hair brushes (RADILON® XTREME high temperature resistant polyamides) - Seatbacks (HERAFLEX® thermoplastic elastomers).

FLEXIBLE PACKAGING FILM



Ideal products for packaging applications: RADILON® S PA6 and RADILON® CS PA6/6.6 copolymers (easy to process, low permeability to gas such as oxygen and odors, excellent grease resistance, excellent mechanical properties and puncture resistance, good transparency). - RADILON® A PA6.6 (for applications requiring high temperature resistance, such as sausage casing and the preparation and preservation of smoked foods). - RADILON® D PA6.10 and RADILON® DT PA6.12 (featuring good mechanical resistance, high water vapour barrier, good oxygen and odor barrier under high humidity conditions, excellent transparency).

MACHINABLE PLASTICS RODS

Ideal for MACHINABLE PLASTICS RODS: RADILON® S PA6 and RADILON® A PA6.6 (main properties: good processability, resistance to fatigue and abrasion, thermal and electric insulation, rigidity, hardness and impact resistance) - HERAFORM® acetal copolymers.

PROFILES

For the production of thermal insulation profiles and for railway applications, the ideal product line is: RADILON® A PA6.6.

LAMINATES

For the production of laminate coverings, the ideal products are: RADILON® S PA6 and copolymers.

For technical information

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IN THE PLASTICS INDUSTRY, RadiciGroup is one of the most highly regarded manufacturers of polyamide and polyester engineering plastics for applications in many industries such as: **AUTOMOTIVE – ELECTRICAL AND ELECTRONICS – TECHNICAL INDUSTRIAL – FURNISHINGS – CONSUMER GOODS – SPORT**. With six plants strategically located in Italy, Brazil, the United States, Germany and China, RadiciGroup Plastics offers processing, quality control, research and development, and technological development support. A network of sales units – with a strong presence in Italy, Germany, France, Spain, Great Britain, the USA, Brazil, China and India – makes RadiciGroup Plastics a truly global organization, capable of meeting the needs of its customers worldwide on a timely basis. WWW.RADICIGROUP.COM/PLASTICS

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.*

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