

PRESS RELEASE

Friedrichshafen, 14 – 18 October 2014

Radilon® and Radistrong® stop over at Fakuma.

RadiciGroup nylon specialities are stopping over at Fakuma, the international trade fair for plastics processing (Friedrichshafen, 14-18 October 2014).

● FOCUS ON



Radilon® HHR: PA6.6 polyamide for applications at continuous air temperatures of up to 210°C.

Radilon® XTreme: Speciality polyamide for applications at continuous air temperatures of up to 230°C.

Radilon® D: PA6.10 long-chain polyamide, partly from renewable resources.

Radilon® DT: PA6.12 long-chain polyamide.



Radistrong®: Polyamides featuring superior mechanical characteristics particularly suitable for metal replacement.



THURSDAY, 16 OCTOBER, AT 4:00 PM Foyer East/ Exhibitor Forum/ Booth FO-01. RadiciGroup presentation: *How to achieve more effective metal replacement by taking advantage of speciality polyamides and advanced design methods.*

After ChinaPlas in Shanghai and MSV in Brno, **RADILON®** and **RADISTRONG®** nylon specialities take centre stage at the 23rd FAKUMA, the international trade fair for plastics processing in Friedrichshafen, Germany, from 14 to 18 October 2014.

“Fakuma is the second most important world trade fair in our sector,” said **Cesare Clausi**, *business manager Europe of the RadiciGroup Plastics Business Area*. “It is an event of international significance and central to our business, in that the German market is strategically important to our Plastics Business Area. In terms of sales, Germany is the number one market in Europe for us, and it is where we are on our way to achieving the same very good results obtained in 2013.”

The RadiciGroup Plastics Business Area has been present in Germany since 1998 with its Radici Plastics GmbH production site in Lüneburg and its sales units in Overath, Reutlingen, Viernheim and Hamburg. Radici Plastics GmbH – previously awarded ISO 9001, ISO/TS 16949 and ISO 14001 certifications as the result of its efforts in the areas of energy performance and energy cost reduction – in 2013 obtained [ISO 50001 certification](#), an important achievement demonstrating its corporate environmental commitment.

● ● ● ● **NYLON SPECIALITIES AND TECHNICAL SUPPORT IN PLASTIC COMPONENT DESIGN**

At Fakuma RadiciGroup Plastics is focusing its attention on five types of products with a common denominator: they are all engineering plastics featuring high performance and reduced environmental impact. In the spotlight are PA6.10 and PA6.12 long-chain polymers, high temperature resistant specialities, and high performance engineering polymers ideal for metal replacement.

“Our customers are our starting point for every development project,” said **Erico Spini**, *marketing & application development director of RadiciGroup Plastics*. “That is the reason we concentrate on providing the best possible technical support in the plastic component design stage, above all in those cases where metal is going to be replaced with plastic. In addition to so-called traditional support, we can perform structural calculations that take into account the glass-fibre orientation in the final product, for instance. This approach allows us to make a correlation between the moulding conditions and the choice of the injection points, on the one hand, and the physical and mechanical characteristics of the final product, on the other. The net result is a better match between the simulation results and the actual behaviour of the plastic object, which, for all intents and purposes, may be considered a composite.”

● FOCUS ON...

RADILON® A RV350HHR

35%-glass-fibre-filled specialty polyamide used for the production of components suitable for applications under air temperatures of up to 210°C in continuous operating conditions.

Thanks to its excellent heat resistance and weldability characteristics, RADILON® A RV350HHR can be used for the manufacture of turbo resonators, in particular.

RADILON® XTREME RV200UK

Developed for high-heat applications at continuous air temperatures of up to 230°C, these high performance engineering plastics are used to manufacture hedge trimmer bodies, for instance. In fact, new-generation motors produce a greater amount of heat, thus exerting high heat stress on the component. This special field of application requires polyamides that not only have high heat resistance but also ensure the excellent surface appearance of the final product. RADILON® XTREME RV200UK is available in various colours.

Radilon® D RV600RKC

A 60%-glass-fibre filled PA6.10 offering high environmental sustainability combined with excellent performance. The base polymer was developed and is produced by the Radici Chimica SpA chemical plant in Italy (upstream vertical integration is a RadiciGroup hallmark) from sebacic acid (64% by weight) and hexamethylenediamine, a chemical intermediate produced under the direct control of RadiciGroup. Sebacic acid is extracted from the seeds of the castor oil plant. Not only sustainability, but also excellent performance – low moisture absorption, excellent hydrolysis resistance and ease of workability – ensured by the 60% glass-fibre fill. Radilon® D RV600RKC products are ACS- and KTW-certified for use in potable water applications and are ideal for use as a brass replacement in plumbing parts. They are particularly suitable for the replacement of PPA and also come in a 50%-grass-fibre-fill version.

Radilon® DT 40EP75W

A heat-stabilized polyamide for extrusion applications, boasting high stiffness and excellent mechanical characteristics in general. Radilon® DT 40EP75W engineering plastics are suited to the production of lines requiring a high burst pressure. Characteristics such as good road salt resistance, high resistance to gasoline and diesel fuels, and good heat resistance make Radilon® DT 40EP75W engineering plastics particularly suitable for the manufacture of fuel lines. Furthermore, excellent resistance to transmission oils makes these engineering plastics ideal for clutch lines.

Radistrong® A X7957

This is one of the most significant innovations introduced by the RadiciGroup Plastics Business Area. Radistrong® A X7957 is a 60%-glass-fibre-filled speciality polyamide featuring mechanical characteristics clearly superior to those of currently available conventional polyamides with the same glass-fibre fill.

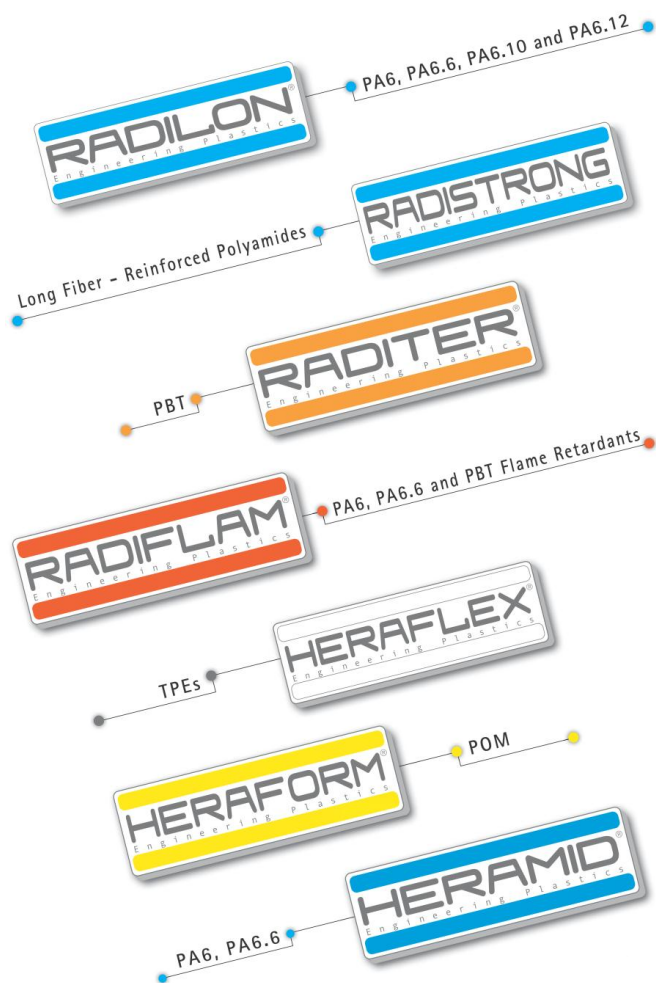
Radistrong® A X7957 has good workability for ease of flow in injection moulding and is especially suitable for metal replacement in critical components. Moreover, it yields a final product with a good aesthetic appearance.

For more technical information on RadiciGroup Plastics products:

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IN THE PLASTICS INDUSTRY ...

RadiciGroup is one of the most highly regarded manufacturers of **polyamide engineering plastics**.

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: FROM CHEMICALS TO PLASTICS, SYNTHETIC FIBRES AND NONWOVENS.

3,200 employees and 2013 sales of EUR 1,045 million. 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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