

Bergamo, 09 February 2016

RadiciGroup at SamuPlast: collaboration with customers at centre stage.

From 3 to 6 February 2016, SamuPlast, the exhibition of excellence for technology, machinery and plastic materials, took place once again in Pordenone, Italy. Among the 490 exhibitors at the show was RadiciGroup Plastics.

The 12th edition of SamuPlast was a particularly important event for RadiciGroup, which showcased its range of products in collaboration with its customer and partner [Electro-Parts SpA](#) – a leading manufacturer of a wide range of electric motors for the automotive, electrical/electronics and home/office automation sectors –, and [EPF Automation](#) – a major company with over 50 years' experience in the industrial automation and renewable energy sectors and official importer of Toshiba Machine full-electric presses for Italy and other Mediterranean countries.

“Customers are always at the centre of our new development projects,” said **Erico Spini**, *Marketing & Application Development Director Europe of RadiciGroup Plastics*. “We establish a close collaboration with them and carry on a constant exchange of ideas that translates into co-design, customized technical support and assistance. The goal is to develop materials that will allow our customers to make products with the best performance and characteristics according their specific application requirements. Our Radilon® A RV350 HHR, one of the specialities on display at SamuPlast, is a clear example of that kind of material.”

“At the Pordenone show,” said **Andrea Panelli**, *of RadiciGroup Plastics Technical Service & Market Development*, “we brought to the market’s attention our range of high-performance, high-heat resistant specialities, among which 35% glass-fibre filled Radilon® A RV350 HHR. The latter polyamide 6.6 material was designed to meet the requirements of a customer who needed to realize a brush holder for electric motors for automotive interior compartment ventilation, a part with application specific high-performance requirements, first of all, high heat resistance.

The centre piece of the EPF, Electro-Parts and RadiciGroup stand at SamuPlast was the Toshiba Machine EC130SX injection moulding press, exhibited by Toshiba Machine in collaboration with [Fluid Service Srl](#), a provider of after-sales assistance services for hydraulic

and full-electric presses. At SamuPlast, a real life demonstration was conducted showing the moulding of a technical component developed by Electro-Parts using RadiciGroup's Radilon® A RV350 HHR. The piece was then unloaded by an anthropomorphic robot installed on board the machine.



FOR APPLICATIONS REQUIRING THE HIGHEST RESISTANCE AT HIGH TEMPERATURES: RADILON® HHR and RADILON® XTREME.

RADILON®HHR - 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. 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
- Brush holders for electric motors used for automotive interior compartment ventilation
- Resonators

RADILON® A RV350HHR

Brush holders for electric motors used for automotive interior compartment ventilation

RADILON® XTREME

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.

Among the key RADILON® XTREME technical characteristics ...

ENGINE-PROOF POLYAMIDES THAT REALLY TAKE THE HEAT

Radilon® HHR and Radilon® XTreme.



RADILON®

RADILON® enhanced heat-resistant specialties, from the more traditional HHR nylon 6.6 engineering polymers, featuring excellent high heat-sealing resistance at air temperatures of up to 210°C to the new RADILON® XTreme in applications for hot-air applications at continuous service temperatures of up to 230°C

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GROUP



- 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).

ENGINE-PROOF POLYAMIDES
THAT REALLY TAKE THE HEAT...

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 its plants strategically located in Italy, Germany, Brazil, the United States, Mexico, China and India, 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. 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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