PRESS RELEASE

For immediate release

New Delhi, 1 - 6 February 2012

RadiciGroup at Plastindia 2012

PLASTINDIA 2012 Infinite Opportunities

COME AND SEE US
Hall 7H - Booth R4

During Plastindia 2012, the 8th International Plastics Exhibition & Conference to be held in New Delhi, India, from 1 to 6 February, RadiciGroup is presenting its product range: from polyamide and polyester engineering plastics (Radilon®, Radiflam®, Raditer® and Heramid®) to polyacetal plastics (Heraform®) and polyester thermoplastic elastomers (Heraflex® E).

Focus on:

- **Radilon® D**, PA610 engineering plastics made using renewable source materials for injection and extrusion moulding.
- PA66 engineering plastics (**Radilon® A** range**)**, ideal for use as metal and light alloy replacements. The spotlight will be on **Radilon® A RV500RW 339 blk.**
- PA66 engineering plastics (**Radilon® A** range**)** with enhanced heat resistance. The spotlight will be on **Radilon® A RV350 HHR blk**.

Together with Radici Plastics Modi P.Ltd headquartered in Noida (a company founded in 2006 as a joint-venture between RadiciGroup and the Indian group M.K. Modi), RadiciGroup Plastics is showcasing its traditional product portfolio in New Delhi, with special emphasis on its new items for the automotive and industrial fields. The latter products have been developed to meet the needs of market segments, automotive in particular, that are ever more demanding in terms of quality, service and technical performance, as well as reduced environmental impact. At this important fair, RadiciGroup will focus on the following engineering

plastics: the **Radilon® D** PA610 line, the **Radilon® A** PA66 line for use as metal replacements and the **Radilon® A** PA66 line with enhanced heat resistance.

Radilon® D…

Radilon® D is a family of PA610 engineering plastics, 60% made of biological polymer and designed for injection and extrusion moulding.

PA610 polyamides have less environmental impact, while featuring properties that are the equivalent of, if not superior to, those of traditional polyamides. **Compared to PA6 and PA66**, Radilon® D polyamides show reduced moisture uptake, lower loss of tensile strength and tensile modulus under wet conditions, better chemical resistance against zinc chloride and calcium chloride, and improved glycol resistance. **Compared to PA11 and PA12**, Radilon® D materials exhibit higher heat resistance and reduced hydrocarbon permeability.

Main applications:

AUTOMOTIVE SECTOR

Fuel lines - Fuel line connectors - Pneumatic conduit - Brake conduit - Under-the-bonnet components

Radilon® A RV500RW 339 blk…

PA6 and PA66 engineering plastics for use as metal replacements and thermohardening materials

Metal replacement is a field that has become extremely important for many target markets of RadiciGroup Plastics, from automotive to machinery and household appliances. For this reason, our Group has focused on expanding its PA6 and PA66 engineering plastics ranges. Among the most recent products is **Radilon® A RV500RW 339 blk**, 50% glass-fibre filled PA66 engineering plastics developed to meet the demand for materials with improved mechanical properties, particularly when weld lines are present. **Compared to traditional PA66 polyamides**, Radilon® A RV500RW 339 blk ensures improved mechanical resistance and strain at break, improved mechanical resistance and strain at break when weld lines are present, and improved impact resistance in both wet and dry conditions.

Main applications:

AUTOMOTIVE AND INDUSTRIAL SECTORS

Engine mounts - Gearbox housings -
Car seat frames - Reaction brackets

Radilon® A RV350 HHR blk…

PA66 engineering plastics with exceptional heat resistance to aging in air at temperatures of up to 210°C

The excellent characteristics of Radilon® A RV350 HHR blk, which are clearly superior to traditional polyamides, make it ideal for the automotive field. By way of example, a standard heat-stabilized PA66 is completely carbonized after 2000 hours of exposure to temperatures of 210°C. Consequently, its tensile strength and impact strength practically drop to zero. In contrast, in the case of Radilon® HHR, the residual values of these two properties remain very high. For instance, a comparison of Radilon® A RV350 HHR blk with benchmark materials has shown that this material retained more than 50% of its initial tensile strength, whereas the tensile strength of the benchmark materials fell to 27% of their initial values. A significant improvement was noticed even in comparison to special polymers such as polyphthalamides (PPAs). After 2000 hours of aging in air at 200°C, the tensile strength of Radilon® A RV350 HHR blk had a residual value of 66%, while the PPA's residual value fell to 48%.

Main applications:

AUTOMOTIVE SECTOR

Intercooler trays - Turbo ducts and manifolds - Resonators

… and all those applications for which the specifications require continuous use at temperatures of up to 210°C.

For more information on our products:

Technical Service & Market Development: andrea.panelli@radicigroup.com

IN THE PLASTICS INDUSTRY RadiciGroup is one of the most highly regarded manufacturers of polyamide and polyester engineering plastics and has production and sales units across the globe in Europe, Asia, North America and South America. With six plants strategically located in Italy, Germany, the United States, Brazil and China, RadiciGroup Plastics offers processing, quality control, research and development, and technological development support. A network of sales units makes RadiciGroup a truly global organization, capable of meeting the needs of its plastics customers worldwide on a timely basis.

PRODUCTS: PA6 and PA66 engineering polymers and copolymers (Radilon® - Radiflam® - Heramid® green products), PA610 (Radilon® D), PET and PBT (Raditer®), POM (Heraform®) and polyester TPEs (Heraflex® E). RadiciGroup Plastics products are used in the automotive, electrical/electronics, sports and industrial markets.

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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