

PRESS RELEASE

Düsseldorf, 16-23 October 2013

For immediate release

K 2013: RadiciGroup introduces new Radilon® XTreme.



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After Feiplastic in Brazil and MSV in the Czech Republic, RadiciGroup Plastics has arrived at K 2013, the most important world fair for the plastics and rubber industry. Among the Group's latest developments showcased at K 2013:

■ **New Radilon® XTreme polyamide engineering plastics featuring enhanced heat resistance for hot-air applications at operating temperatures of up to 230°C.**

RADILON® XTreme: new RadiciGroup HHR specialities for automotive and electrical applications.



RadiciGroup has expanded its portfolio of products featuring enhanced heat resistance. The new Radilon® XTreme HHR (*High Heat Resistance*) polyamide engineering plastics were developed through a synergistic collaboration between RadiciGroup Plastics and RadiciGroup Chemicals.

Indeed, the nylon polymer used for the new Radilon® XTreme line was developed and is produced by the **Radici Chimica SpA** polymerization plant in Italy. This project is an example of the vertically integrated polyamide production that is the hallmark of the Group.

The key Radilon® XTreme 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°C compared to PA6.6)
Available viscosity grades	Injection and blow moulding grades
Mechanical property retention after exposure in air 3000 hours at 220°C (35% glass-fibre-filled version): - Tensile strength at break > 50% - Charpy notched impact strength > 70%	

The main applications include ...

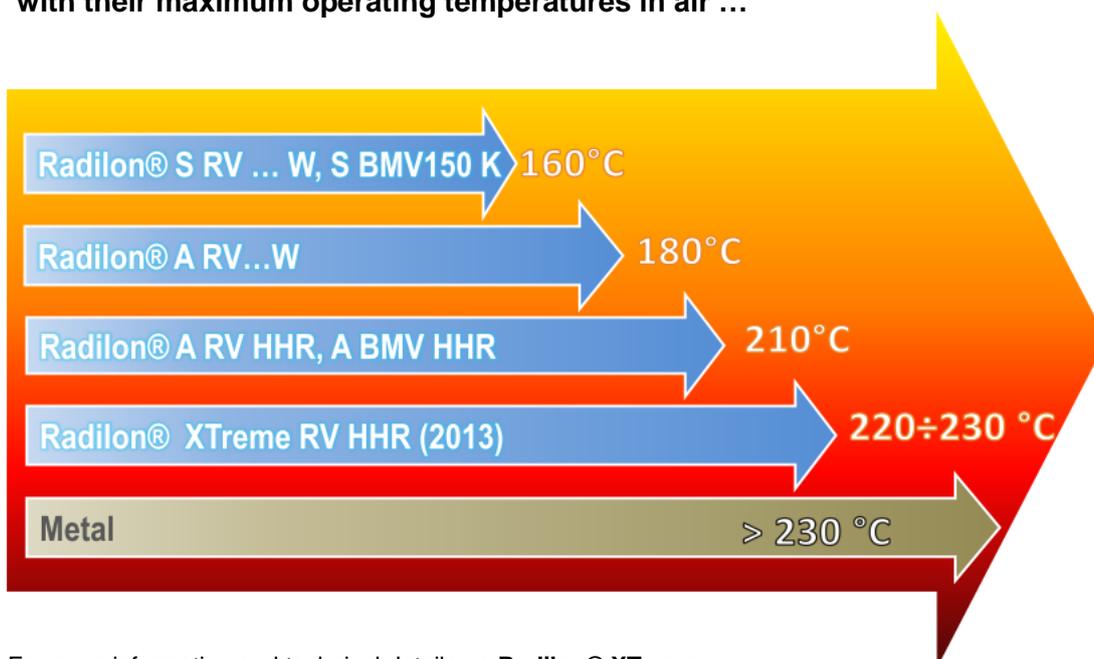
AUTOMOTIVE

- Turbo air ducts
- EGR heat exchanger components
- Resonators

ELECTRICAL

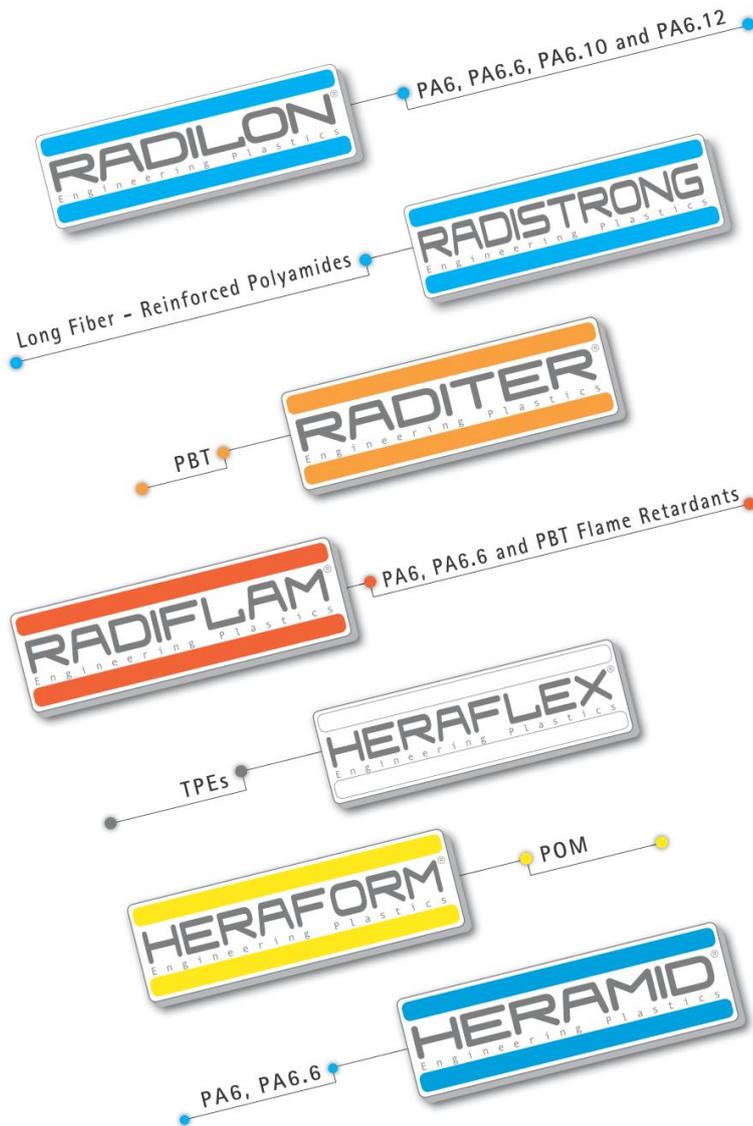
- High-temperature electrical insulation components
- Lead-free soldering components

The complete range of RadiciGroup polyamide products with their maximum operating temperatures in air ...



For more information and technical details on Radilon® XTreme:
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IN THE PLASTICS INDUSTRY...



RadiciGroup is one of the most highly regarded manufacturers of polyamide and polyester 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 Production and sales sites in Europe, North America, South America and Asia. Diversified businesses focusing on chemicals, plastics and synthetic fibres. 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, sports, furnishings, automotive, electrical/electronics, home appliances and consumer goods. **WWW.RADICIGROUP.COM** RadiciGroup, with its Chemicals, Plastics and Synthetic Fibres Business Areas, is part of a larger industrial group that also includes textile machinery and energy businesses. **WWW.RADICI.COM**

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