



PERFORMANCE PLASTICS PRESS RELEASE

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New EPD-certified engineering plastics in the RadiciGroup portfolio

Customers are offered new products optimizing the technical performance to environmental impact ratio

A new product in RadiciGroup's Heramid® range, **Heramid A NER MP /1K**, is the latest entry in the list of Group products with a registered Environmental Product Declaration (EPD).

Heramid® is the trade name for RadiciGroup's post-industrial PA6- and PA66-based products manufactured using secondary raw materials and developed for injection moulding and extrusion applications in the industrial, electrical/electronics and automotive sectors. Heramid products are mostly made from secondary raw materials obtained from sorted industrial waste and scrap produced by RadiciGroup polymerization and compounding plants. Thus, Heramid engineering plastics **optimize the technical performance to environmental impact ratio**.

Accompanying the previously certified EPD for **Heramid GF 030 1K (EPD No. S-P-00707)**, the new EPD for **Heramid A NER MP /1K** completes the environmental impact mapping of the RadiciGroup scrap recovery and compounding processes for typical polymer waste: scraps from polymerization, extrusion and spinning.

RadiciGroup Performance Plastics' production activities are part of the vertically integrated RadiciGroup production chain, which also includes the **Specialty Chemicals Business Area** – specializing in chemical raw materials and the production of PA 66 polymer – and the **Performance Yarn and Comfort Fibres Business Areas**, focusing on the production of PA 6 polymer and a variety of yarn types. The "virgin" PA 6 and PA 66 polymers are used for the manufacture of the Radilon® product range, while the scraps from the polymerization, spinning and compounding processes are used for the products in the Heramid® range.

One of RadiciGroup Performance Plastics' objectives in implementing product environmental performance assessment is to provide customers with full, accurate information, as well as a **reliable source of data that can be used to calculate the environmental impact** of their applications.

Moreover, the **Life Cycle Assessment (LCA)** technique, which is used by RadiciGroup to assess the environmental impact of a product's life from raw material extraction to finished product distribution, has been widely adopted by the main certification schemes in various industries, such as construction and automotive. The published EPDs will allow RadiciGroup Performance Plastics' trade partners to access qualified data for many of the business area's commercial products. In addition, the rigorous methodology for environmental impact assessment and certification required by **EPD Process Certification** – which RadiciGroup Performance Plastics holds for the production of both primary and industrial grade engineering plastics – enables the creation of **LCAs for specialties** developed according to partners' specifications and providing the reliability assurance that may be needed for a future certification process.

Not only does the LCA approach yield “guaranteed” values, but it also results in “improved” values, because the methodology implemented for tracking and measuring the flows of materials, energy and all other process-related elements leads to continuous improvement.

The measurements made for an LCA – an approach requiring measurements different from the ones taken for the purpose of Quality and Environment certifications – has expanded the toolkit of control instruments and provides information useful for identifying improvement margins, which corporate management has already taken advantage of. By way of example, the information collected on the energy consumption of each extruder was instrumental in choosing a new plant to better optimize yield and consumption.

RadiciGroup Performance Plastics has also renewed **EPD No. S-P-00554**, related to some of the products in the Radilon® A (PA 66) and Radilon® S (PA 6) ranges, and **EPD No. S-P-00708** “**Polyamide scrap recovery service**”.

All RadiciGroup EPDs are published on the International EPD® System site

<http://www.environdec.com>

RADICIGROUP – With approximately 3,000 employees, sales revenue of EUR 946 million in 2016 and a network of production and sales sites located throughout Europe, North America, South America and Asia, RadiciGroup is one of the world's leading producers of a wide range of chemical intermediates, polyamide polymers, engineering plastics, synthetic fibres and nonwovens. These products – the result of the Group's outstanding chemical expertise and vertically integrated polyamide production chain – have been developed for use in a variety of industrial sectors, such as: AUTOMOTIVE – ELECTRICAL AND ELECTRONICS – CONSUMER GOODS – APPAREL – FURNISHINGS – CONSTRUCTION – HOUSEHOLD APPLIANCES – SPORTS. The basis of the Group's strategy is a strong focus on innovation, quality, customer satisfaction and social and environmental sustainability. With its business areas - **Specialty Chemicals, Performance Plastics and Synthetic Fibres & Nonwovens** (Performance Yarn, Comfort Fibres and Extrusion Yarn), RadiciGroup is part of a larger industrial group that also includes textile machinery (ITEMA), energy (GEOGREEN) and hotel (SAN MARCO) businesses.

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