

Düsseldorf, 19-26 October 2016

## “Production Chain” Environmental Product Declarations ...



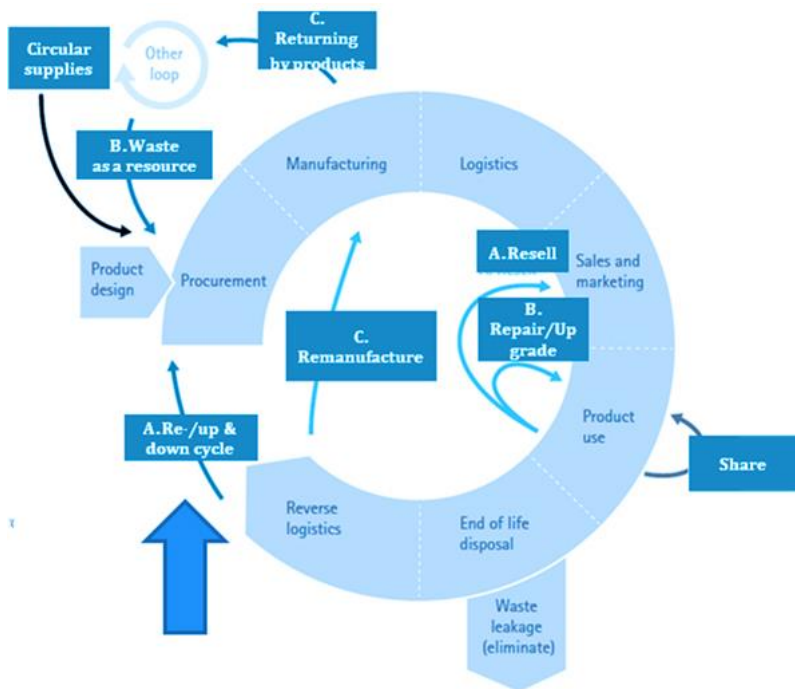
**2016**

19 – 26 October  
Düsseldorf, Germany

**COME AND SEE US:**

**STAND B10 - HALL 06**

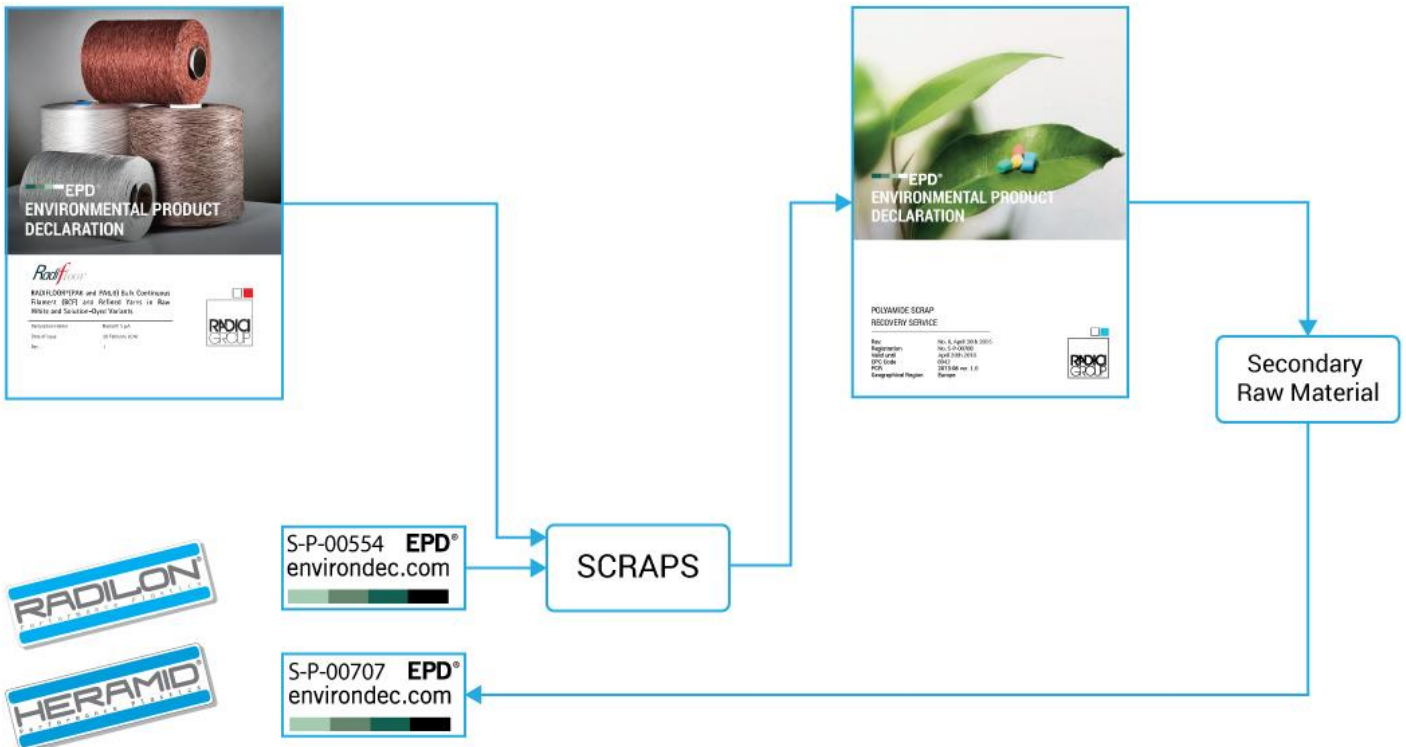
The RadiciGroup Performance Plastics Business Area has strengthened its EPD management system and is now even more available to assist its customers.



Anticipating the Circular Economy action plan that the European Union has been implementing, RadiciGroup started the “cascading” certification of the environmental impact of its polyamide production chain: first, introducing production chain Product Category Rules (PCRs), then Environmental Product Declarations (EPDs) for engineering plastics and yarns, and finally applying Product Environmental Footprint (PEF) impact testing and calculation methods to the base polymer.



Using the Life Cycle Thinking approach – and not monitoring alone – to further the evolution of the market, which is becoming increasingly more oriented towards choosing products and production processes with a smaller environmental footprint, as the strong European commitment to GPP confirms. RadiciGroup keeps an eye on this trend by participating actively both at the domestic and international level in defining the technical standards of products through trade associations (Federchimica and Plastics Europe) and standards setting bodies (UNI-ISO). Responsible product management starting from product formulation, documented for each production stage. Using transparent communication, in terms of both method and structure, for the disclosure of product environmental impact through EPDs.



The end results of a coordinated program of activities and investments aimed at reducing the environmental impact of products, including: rigorous management of corporate purchasing and production; reduced consumption; replacement, wherever possible, of heavily polluting sources; investments in technologies for emission reduction; research and development; and utmost attention to the efficient use of resources and to quality scrap recovery.

## RADILON® S (PA6)

## RADILON® A (PA6.6)

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**Revision**

**Registration**

**Valid until**

**CPC Code**

**PCR**

**Geographical Region**

No. 1, 10 May 2016

No. S-P-00554

30 April 2017

347

2010:16 ver. 2.11

Europe

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Radilon® A RV 300		2013	2015
Impact category	Unit	Total	Total
Acidification	kg SO2 eq	2,55E-02	1,88E-02
Eutrophication	kg PO4--- eq	6,58E-03	4,49E-03
Global warming (GWP100)	kg CO2 eq	6,81E+00	5,74E+00
Photochemical oxidation	kg C2H4 eq	5,41E-03	9,47E-04

See: [www.environdec.com](http://www.environdec.com)



**HERAMID®**  
**A NER GF030 /1K**



Rev.	No. 1, 10 May 2016
Registration	No. S-P-00707
Valid until	30 April 2018
CPC Code	347
PCR	2010:16 ver. 2.11
Geographical Region	Europe

		2014	2015
<b>Impact category</b>	<b>Unit</b>	<b>Total</b>	<b>Total</b>
Acidification	kg SO2 eq	6,99E-03	5,31E-03
Eutrophication	kg PO4 <sup>---</sup> eq	1,53E-03	1,21E-03
Global warming (GWP100)	kg CO2 eq	1,21E+00	8,09E-01
Photochemical oxidation	kg C2H4 eq	2,94E-04	2,14E-04

See: [www.environdec.com](http://www.environdec.com)

The improvement achieved in the environmental performance of the EPD-certified products is attributable, on the one hand, to the 100% use at the Italian production plants of hydroelectric power, which is supplied by Geogreen (a related Radici family company, created with the purpose of supplying renewable “zero kilometre” energy to RadiciGroup companies) and, on the other, to continuous production process improvement, which has been achieved, in no small measure, through the action performed specifically for the preparation of the product environmental declarations.

## ...and more

The consolidation of the procedures developed for EPD Process Certification now provides a robust methodology and reliable data, enabling the Group to compile Environmental Impact Sheets that can be distributed to customers who use materials produced by Italian plants that are yet not covered by EPDs. The Environmental Impact Sheets, although not certified, are based on the LCA method and model developed for the EPDs and are, therefore, highly reliable. Moreover, they allow for easier reading and shorter compilation time compared to the product declarations.

**RADICIGROUP** - With 2,985 employees, sales revenue of EUR 1,011 million, and a network of production and sales sites located in 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 are the result of the Group's outstanding chemical know-how and are used in a variety of industrial sectors such as: AUTOMOTIVE – ELECTRICAL AND ELECTRONICS – CONSUMER GOODS – APPAREL – FURNISHINGS – CONSTRUCTION – HOUSEHOLD APPLIANCES – SPORT. 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 businesses (SAN MARCO).