



Press Release

*Feiplastic 2019:*  
**Solvay launches specialty polymers for applications in sustainable mobility, energy and healthcare**

**Solvay stand – G42**

**São Paulo, April 2019** – The launch in the regional market of innovations in specialty polymers aligned with the concepts of sustainable mobility, renewable energy and better health will be the highlights for **Solvay** at Feiplastic 2019 - the International Plastics Fair, from April 22 to 26 at ExpoCenter Norte, in São Paulo.

With the most complete portfolio in the industry, **Solvay Group's** global **Specialty Polymers** business unit is the world leader in high performance polymers, with 1,500 products under 35 brands which are used in different applications, such as oil and gas, automotive and aerospace, packaging for food and pharmaceuticals, equipment and instruments for healthcare and consumer products, among others.

"We are strengthening our operations in the region by introducing new specialty polymers with innovative features that allow substitution with advantages over other materials used by industries. We have a number of projects underway with clients from different segments, seeking to get ahead in the development of solutions that will be consumer trends in the near future," says **Josimar Fazolare, director of Sales and Marketing at Solvay Specialty Polymers for South America**. Because of this work, the company - he says - is optimistic about economic growth in the region in the coming years.

**New launches** - For the sustainable mobility segment, among the new launches are parts made for an innovative electric bicycle that is being launched worldwide from Europe. By incorporating specialty polymers into various parts, such as the frame and other structural parts, this e-bike exemplifies **Solvay's** initiatives and investments to simplify and improve people's lives. **Solvay's** specialty polymers are also widely used in the production of more technically demanding automotive parts and are used in the production of long-life batteries for electric and hybrid vehicles.



In renewable energy, the company will present the special **Solef® PVDF** and **Halar® ECTFE polymers**, used respectively in the *back sheets* and *front sheets* of photovoltaic panels, instead of glass. They make the structure lighter and improve the efficiency of photovoltaic cells, providing ultra-long-term stability when exposed to sunlight and atmospheric events. In **Feiplastic's Innovation Area**, the company showcases a prototype photovoltaic film developed by **Sunew** with a special **Solvay** polymer. Organic Photovoltaic (OPV) films are the third generation of solar cells, capable of generating energy from sunlight. Each square meter of OPV film saves 120 kilos of CO2 emissions a year.



For the Healthcare segment, one of the highlights from Solvay is the launch of the invisible dental radiography clip created by the Brazilian company **Indusbello** from **Solvay's** specialty polymer **Udel® PSU** (polysulfone). This invisible clip was developed to minimize difficulties faced by endodontists and to facilitate trans-operative radiographs used in canal treatment, producing a complete image of the tooth.



The company's range for this segment includes the **Radel®** (PPSU), **Veradel®**, **Ixef®** (PARA), **Avaspire®** (PAEK), and **Ketaspire®** (PEEK) lines for the production of medical parts and equipment, replacing other materials traditionally used; the special polymers for orthopedic and dental implants and the resins applied in the production of membranes for dialysis.

**Innovations** - With a strong *approach* to innovation, **Solvay Specialty Polymers** products are gaining ground in a lot of markets. One of the most important in the region is oil and gas, especially with the advance of pre-salt exploration in Brazil. **Solvay's** specialty polymers are used in applications under critical conditions, being able to withstand large variations in temperature and pressure under adverse conditions and with high mechanical demands. The best-known application in this segment is called flexible production tubing, using specialty polymers in parts of its construction. The company also offers solutions for pipelines and transfer lines, umbilicals, internal and external coatings, wires and cables used in platforms and oil and gas production equipment.



Another important market for the company in the region is packaging, in which Solvay's specialty polymers are used as a high protection barrier in the production of medication blister packs and food packaging for both the fast food industry and the animal protein production sector - one of Brazil's leading exports. Recently, the company opened a

special storage sector for this line of polymers in Paulínia (SP) to guarantee supply for its clients in these segments.

For the Coatings segment, one of the new launches is the water-based **Halar® ECTFE** sustainable coating system, developed by Solvay, which extends metal corrosion prevention applications for the chemical processing industry. The coating system consists of a high-adhesion primer and finish and is easily applied with the use of standard liquid spraying equipment. The company is already a traditional supplier of **Halar® ECTFE** powder coatings for corrosion prevention, offering a 40-year warranty for the use of this special polymer.

Solvay polymers also have a wide range of applications in cables, wires, tubes and valves, especially with halogen-free compounds for the production of electrical cables. In the treatment and reuse of drinking water, Solvay offers specialty polymers for the production of membranes used in new high-technology filtration processes.

**Service:**

**Feiplastic 2019 - International Plastics Fair - April 22-26, 2019 - 11am to 8pm**

**Venue: Expo Center Norte (Rua José Bernardo Pinto, 333 - Vila Guilherme, São Paulo)**

**Solvay Stand - G42**

**Special talk at Inova Plastic - April 25 (Thursday) at 5:30 PM -**

**Presentation of the case study - "Invisible clip for dental X-rays" by Mônica Martins, Manager of the Healthcare Market at Solvay Specialty Polymers in South America**

**About the Solvay Group**

**Solvay** is an advanced materials and specialty chemicals company, committed to developing chemistry that addresses key societal challenges. Solvay innovates and partners with customers worldwide in many diverse end-markets. Its products are used in planes, cars, batteries, smart and medical devices, as well as in mineral and oil and gas extraction, enhancing efficiency and sustainability. Its lightweighting materials promote cleaner mobility, its formulations optimize the use of resources, and its performance chemicals improve air and water quality. Solvay is headquartered in Brussels with around 24,500 employees in 62 countries. Net sales were €10.3 billion in 2018, with 90% from activities where Solvay ranks among the world's top 3 leaders, resulting in an EBITDA margin of 22%. Solvay SA (**SOLB.BE**) is listed on Euronext Brussels and Paris Bloomberg: **SOLB.BB** - Reuters: **SOLB.BR**, and in the United States its shares (**SOLVY**) are traded through a level-1 ADR program. (*Financial figures take into account the planned divestment of Polyamides*).

**100 years in Brazil** - Rhodia, a Solvay Group company, is celebrating 100 years of pioneering and innovation in Brazil in 2019. The company began in Santo André - São Paulo - with an industrial chemical products unit, which was the first step in the industrialization of what is known as the ABC region of São Paulo. Always ahead of its time, Rhodia has made a decisive contribution to the strengthening of the chemical and textiles industry in Brazil in general, with the development of technologies, processes and products for various markets, maintaining a deep relationship with Brazilian society. Since September 2011, Rhodia has been part of the Solvay Group, one of the most important international players in advanced materials and specialty chemicals.

For further information, please go to [www.rhodia.com](http://www.rhodia.com) and [www.solvay.com](http://www.solvay.com).

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