Press Release

# Solvay Launches New Technyl® Halogen-Free Flame Retardant Range to Address Consumer Electronics Miniaturization and Aesthetics Challenges

**SHANGHAI, China, April 24, 2016 –** Solvay Engineering Plastics, a world leader in polyamide-based performance materials, has unveiled at this year's Chinaplas an advanced PA6.6 polymer technology to offer the possibility of further miniaturization and enhanced aesthetics to the consumer electronics market in Asia; home of industry's largest manufacturing base. This innovative solution combines the characteristics of halogen-free flame retardancy with high flow and low migration, while reducing corrosion during the injection process.

"*Driven by increasingly sophisticated consumer demands, many of our Asian customers in the consumer electronic industry do not only need to meet stringent flammability regulations for their exports worldwide, but also face the challenges of further miniaturization and long lasting surface aesthetics for their product development*," said Wilson Chan, Global C&E (Consumer & Electrical) Market Director for Solvay Engineering Plastics. "*Our new generation halogen-free flame retardant PA6.6 provides the right solution for these challenges and bring significant environmental benefits compared to halogenated flame retardant polyamide materials*."

The new series of products significantly strengthens Solvay's existing range of Technyl® '60' halogen-free flame retardant materials which span from high-flow Technyl® Star PA6 to high-performance Technyl® One product grades. A breakthrough feature of the new formulated polymer Technyl® A 60SX is to help customers solve the aesthetics problem caused by the migration phenomena, which may lead to the formation of deposits or causing vents to clog. "*For consumer electronics that require optimum surface aspect, this aesthetic problem is intolerable*," added Wilson Chan. *"Our unique technology helps to keep migration on the part at a very low level to ensure an attractive appearance over the long term.*"

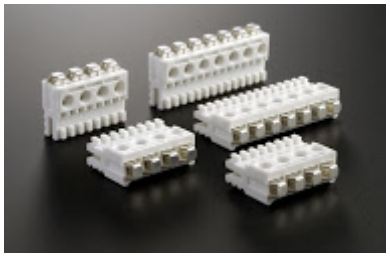
Solvay's world-class polyamide chemistry also opens wider windows for designers and molders thanks to its excellent flowability. It can particularly address the wall thickness challenges facing most of the connector makers for consumer electronics. This upgraded portfolio of Solvay Engineering Plastics' halogen-free flame retardant Technyl® materials are also perfect solutions for application in electrical protection devices which require excellent flame retardant properties, minimized tooling corrosion, and optimum surface aspect.

"*In addition, cost competitiveness has always been a challenge for our customers in Asia.*" said Wilson Chan. *"Our new halogen-free PA6.6 grades reduce corrosion of the injection machine during processing thus greatly reducing the maintenance cost of manufacturing equipment and increasing the productivity of molders.*"

The first grades to leverage this superior chemistry are available with a glass content of 25 or 30 percent, and have full UL Yellow Card certification, including a 5VA flame class rating at 0.8 mm thickness. "*Custom-tailored Technyl® solutions can be compounded at our Asian facilities to the same exacting standards of quality and consistency as in Solvay's European and American plants,*" said Jonson Xing, C&E Global Marketing Manager for Solvay Engineering Plastics. "*And our capabilities for developing customer-specific material compounds also extend to YAG[1] and UV laser-markable versions of our high-flow and halogen-free flame retardant Technyl® PA6.6 materials for the electrical and consumer electronics market.*"

Solvay Engineering Plastics' halogen-free flame retardant technology is backed by dedicated UL laboratories in Europe and Asia, fully equipped to evaluate and document all flammability, thermal (RTI) and electrical (CTI) material properties in line with Yellow Card specifications. In addition, Solvay supports its customers with a comprehensive package of design, prototyping and testing services.

*® Registered trademark of Solvay*
*[1]Yttrium Aluminum Garnet*



Photos of connector application will be provided on a request basis.

Caption: Solvay Engineering Plastics has complemented its broad portfolio of Technyl® performance polyamides for the consumer electronics and electrical protection markets with an advanced PA6.6 technology that combines fully certified, halogen-free flame retardancy with ease of processing in a superior high-flow and low-migration formulation. (Photo courtesy Solvay Engineering Plastics)

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**About Solvay Engineering Plastics**
Solvay Engineering Plastics is the global specialist in polyamide-based engineering plastics, with more than 60 years of experience in the development, manufacture and marketing of a complete range of high-performance materials under the Technyl® brand for demanding applications in automotive, electrical and electronics, construction, consumer goods and other markets. With a growth strategy bolstered by six production sites worldwide, Solvay Engineering Plastics employs its expertise and innovation capabilities in order to serve the needs of its customers more closely through a global network of technical and R&D centers. Learn more on Technyl® brand at www.technyl.com.

**About Solvay**
An international chemical and advanced materials company, **SOLVAY** assists its customers in innovating, developing and delivering high-value, sustainable products and solutions which consume less energy and reduce CO2 emissions, optimize the use of resources and improve the quality of life. Solvay serves diversified global end markets, including automotive and aerospace, consumer goods and healthcare, energy and environment, electricity and electronics, building and construction as well as industrial applications. Solvay is headquartered in Brussels with about 30,000 employees spread across 53 countries. It generated pro forma net sales of €12.4 billion in 2015, with 90% made from activities where it ranks among the world's top 3 players. Solvay SA (**SOLB**) is listed on Euronext in Brussels and Paris (Bloomberg: **SOLB:BB** – Reuters: **SOLB.BR**).

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