

Press Release

Plastindia 2015: Solvay Engineering Plastics offers Innovative Technyl® Solutions for Automotive Applications

Technyl® for Metal-Replacing Semi-Structural and Thermal Management Components

Speeding the Time-to-Market with Glass-Filled Sinterline™ Powders for 3D Printing

GANDHINAGAR, (Gujarat) India, Feb. 5, 2015 – At the 9th Plastindia Plastics Exhibition & Conference from February 5 to 10 at Gandhinagar (Gujarat), Solvay Engineering Plastics will highlight its comprehensive range of Technyl® polyamide solutions for innovative automotive applications.

“India has one of the world’s largest and fastest growing automotive industries that also serves a strong domestic segment of two-wheelers and has made the country one of Asia’s four leading automotive export nations,” says Jitender Bharihoke, India Commercial Director Solvay Engineering Plastics. *“We are determined to support our Indian customers in winning and expanding their shares in this vast market with innovative high-performance materials, focused particularly on fuel, weight and cost saving metal replacement as well as thermal management and overall sustainability.”*

The materials’ wide design window and high flowability allow complex, integrated components with weight savings of up to 40% compared to aluminum for semi-structural applications such as engine and transmission mounts. The consolidation of numerous metal parts to one single plastic module also offers substantial tooling cost savings. Moreover, a recent life cycle analysis by Solvay has revealed that using Technyl® materials can make a significant contribution to reducing the overall environmental footprint of applications.

A complete range of turbo system grades provides resistance to operating temperatures above 200°C, as required for turbo intercoolers and air ducts. Special hydrolysis resistant thermal management grades are widely used for radiator tanks, thermostat housings and oil modules.

Solvay’s extensive laboratory and testing facilities are available for customer application development support, which extends from preliminary material selection and design simulation to prototyping and part validation of in-use performance. Didier Chomier, Business Development and Technical Director India for Solvay Engineering Plastics added, *“Our Technyl® materials offering is backed by two production lines here in Panoli, three central warehouses and a dedicated Research and Innovation Centre at Savli (Gujarat) that partners with Maharaja Sayajirao University in nearby Vadodara for research in polymer science.”*

In 2014, Solvay introduced the industry’s first glass-filled Technyl® Sinterline™ powder for 3D printing. Sinterline™ is an ideal solution in functional prototype testing, minimizing the need for pre-production tooling and thus helping to speed the way from design to market. The technology meets a growing demand for higher-performance rapid prototyping, with a focus on automotive under-the-hood components.

The comprehensive service portfolio also includes MMI* Technyl® Design for multi-scale modeling and structural analysis. The advanced 3D modeling platform is based on an extensive materials database that allows for a wide range of calculations to accurately predict the performance of molded parts.

Visit Solvay Engineering Plastics at Plastindia 2015 from February 5 to 10 in Hall 10, Stall (Booth) 10R-B3, to discuss the latest trends and developments and learn more about the productive potential of Technyl® and Sinterline™ in India's dynamic markets.

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Technyl® is a registered trademark of Solvay.
Sinterline™ is a trademark of Solvay.

* **Multi-scale modeling, Mechanical calculation, Injection molding simulation**
MMI is powered by DIGIMAT™ software from e-Xstream.

About Solvay Engineering Plastics

Solvay Engineering Plastics, the global specialist in polyamide-based engineering plastics, has for the past 60 years developed, manufactured and marketed, under the brand Technyl®, a complete range of high performance plastics for the automotive, electrical, construction and consumer goods markets. With a growth strategy bolstered by six production sites worldwide, Solvay Engineering Plastics employs its expertise and innovation capabilities in order to more closely serve the needs of its customers, through a global network of technical and R&D centers. Learn more on Technyl® brand at www.technyl.com

About Solvay

As an international chemical group, Solvay (www.solvay.com) assists industries in finding and implementing ever more responsible and value-creating solutions. Solvay generates 90% of its net sales in activities where it is among the world's top three players. It serves many markets, varying from energy and the environment to automotive and aeronautics or electricity and electronics, with one goal: to raise the performance of its clients and improve society's quality of life. The group is headquartered in Brussels, employs about 29,400 people in 56 countries and generated 9.9 billion euros in net sales in 2013. Solvay SA (**SOLB**) is listed on NYSE Euronext in Brussels and Paris (Bloomberg **SOLB:BB**) – Reuters: **SOLB.BR**.

Press Contacts

Alan Flower
Industrial Media Relations
+32 474 117 091
alan.flower@indmr.com

Clayton Dsouza
SPAG Asia
+91 99 3001 1602
clayton.dsouza@spag.asia

Xue Wen
Solvay Engineering Plastics
+86 21 5483 1815
xue.wen@solvay.com

Jerome Pisani
Solvay Engineering Plastics
+33 4 26 19 70 87
jerome.pisani@solvay.com