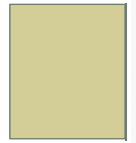


Solvay Announces New Technyl® Range Development for Demanding Automotive Electronic Applications



SHANGHAI, China, April 24, 2016 – Solvay Engineering Plastics, a world leader in polyamide materials, announces at Chinaplas 2016 the development of a new Technyl® range for the demanding environment of automotive electronics. This new family of both unfilled and glass fiber reinforced, and heat-stabilized engineering plastics will have a specified and controlled halogen content tailored to fit sensitive electrical and electronic automotive applications.

The use of electronic equipment in automotive engineering is growing rapidly with a prospective growth of 12 percent per year. *“Uncompromising reliability of sensitive electrical and electronic applications, such as sensors, relays, bobbins, chargers and control units, is increasingly important to automotive manufacturers,”* said Dr. James Mitchell, Global Automotive Market Director for Solvay Engineering Plastics. In all these cases, customized Technyl® grades for electronic applications are demonstrating excellent retention of properties, including high chemical and hydrolysis resistance, even after long-term exposure to elevated temperatures, while at the same time enduring demanding mechanical loads.

“Engineered polyamide compounds have firmly established their role as versatile materials with an excellent cost/performance ratio in the hostile environment of the engine compartment of modern vehicles. Continuing miniaturization and engine downsizing in these application areas have created new challenges in terms of heat performance and electrolytic corrosion resistance,” Dr. Mitchell added.

The broader use of electronic components in automotive engineering has resulted in a stronger focus on the interaction of conductor paths and over-molding materials used as carriers and electric insulators. Chemical additives as commonly-used inorganic heat stabilizers tend to interact with metallic alloys on conductor paths and reduce the isolation properties of the polymer, potentially causing electrolytic corrosion and subsequent malfunctions, notably in hot and humid Asian climates.

“Due to specific additive systems, our new Technyl® formulations can help reduce this risk with significant benefits over competing engineering thermoplastics and more expensive specialties,” concluded Dr. Mitchell.

Solvay Engineering Plastics has more than 30 years of experience in customizing the performance of its Technyl® products to the precise requirements of electrical and electronics applications. Beyond this extensive expertise, the supplier also supports its customers with dedicated design, prototyping and testing services. Custom-tailored solutions can be compounded at Asian facilities to the same exacting standards of quality and consistency as in Solvay Engineering Plastics’ facilities in Europe and the Americas.

On Booth N1A01 during Chinaplas 2016 at Shanghai’s New International Expo Centre (April 25-28), Solvay Engineering Plastics’ polyamide specialists will be available to discuss the advantages of selecting Technyl® for electrical and electronic applications in the engine compartment and powertrain of next-generation vehicles