



## **Solvay reinforces its leadership in automotive cooling systems with new Technyl® solution for Thermal Management**

*New hydrolysis and salt resistant Technyl® eXten for extreme road conditions*

*Successful partnership with Valeo for Renault-Nissan*

*Full range of products with up to 50 percent glass reinforcement and state-of-the-art service offer*

**Lyon, France, October 16, 2013** --- Here at K'2013 (Hall 6-C61), Solvay Engineering Plastics, a global leader in polyamide solutions and worldwide leader in materials for engine cooling systems, introduces an innovative hydrolysis and road salt resistant Technyl® eXten grade which broadens its product offering for demanding automotive thermal management systems.

Initially developed for Japanese and Korean carmakers, this new material demonstrates high chemical resistance to calcium chloride, the preferred road salt used in countries with lower freezing temperatures, such as Russia. Valeo, a global leader in the automotive industry, selected Technyl® eXten because of its attractive cost/performance ratio compared to metals or alternative plastics. The material obtained full approval after rigorous testing and will be used for radiator-end tanks in a future Renault-Nissan platform.

*“With the continuing need to reduce engine emissions and fuel consumption, the objective in engine thermal management today is focused on maintaining all engine components at their ideal operating temperatures from warm-up until full stop,”* says Dr. G. de Pelsemaeker, R&D and Program Director for Valeo’s Thermal Systems Business Group. *“In response, we are developing cooling systems able to manage the heat dissipation of increasingly complex engine components, while resisting to extreme driving conditions. Solvay Engineering Plastics supports us with a full range of Technyl® materials and solutions improving the time to market of lightweight, energy efficient and increasingly compact, modular designs.”*

Solvay Engineering Plastics is the historical leader in automotive cooling systems solutions and offers a complete array of hydrolysis-resistant Technyl® ‘34NG’ products ranging from 25 to 50 percent glass-reinforcement. They are specifically designed to resist the most demanding requirements for every part in contact with glycol, such as radiator-end tanks, expansion tanks, thermostat housings and oil modules. In addition to assisting Tier one suppliers in the material selection and validation, Solvay Engineering Plastics also provides OEM-approved testing capabilities to validate parts.

*“Building on the success of our historical position in providing pioneering materials for automotive cooling systems developed with major industry players, we are fully committed to pursuing our investment in product innovation to enable our customers create new solutions for thermal management applications,”* says Peter Browning, Global Automotive Market Director for Solvay Engineering Plastics.

For 60 years, high-performance Technyl® materials have led to value-added innovations in such varied industries as automotive and transport, construction and energy, consumer goods and industrial equipment. Today, the Technyl® range is stronger than ever owing to the differentiating offer of products and services for Metal Replacement, Fire Protection, Thermal Management and Fluid Barrier applications founded on Solvay Engineering Plastics’ expertise.

For further information about Technyl® solutions please visit [www.technyl.com](http://www.technyl.com)

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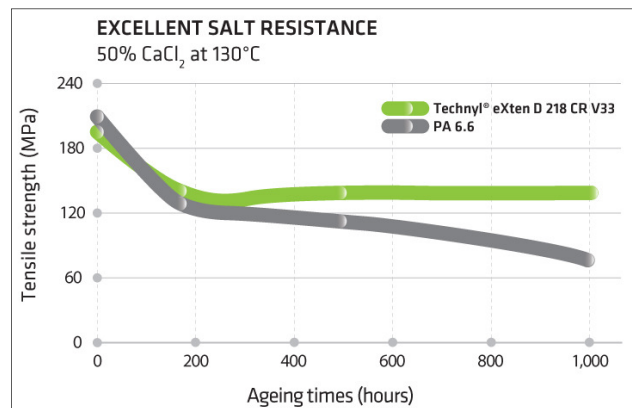
As an international chemical group, **SOLVAY** assists industry in finding and implementing ever more responsible and value-creating solutions. The Group is firmly committed to sustainable development and focused on innovation and operational excellence. Solvay serves diversified markets, generating 90% of its turnover in activities where it is one of the top three worldwide. The group is headquartered in Brussels, employs about 29,000 people in 55 countries and generated 12.4 billion euros in net sales in 2012. Solvay SA ([SOLB.BE](#)) is listed on [NYSE EURONEXT](#) in Brussels and Paris (Bloomberg: [SOLB.BB](#) - Reuters: [SOLBt.BR](#)).

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**Photo caption:**  
A cooling radiator in Technyl® from Solvay manufactured by Valeo Thermal Systems.



**Caption:**  
Technyl® eXten D 218CR V33 provides a combination of high hydrolysis performance with excellent salt resistance.