



**For Immediate Release**

## **Solvay's New AE Grades of Amodel<sup>®</sup> PPA Eliminate Corrosion Issues in Automotive Electronic Applications**

**ALPHARETTA, Ga., September 15, 2011** – Solvay Advanced Polymers, LLC, a Solvay Specialty Polymers company, has expanded its range of Amodel<sup>®</sup> polyphthalamide (PPA) resins for automotive electronics applications. New Amodel Electronic (AE) grades eliminate corrosion issues in high temperature and high humidity conditions for a range of applications including sensors, connectors, electric motors, electronic control unit housings, bobbins, solenoids, and other circuit protection.

“In an age when under-the-hood designs have resulted in hotter, more humid, and more compact spaces, we’ve developed unique solutions to help our customers meet these very challenging and highly demanding environments,” explained Mark Wright, global automotive marketing manager for Solvay Advanced Polymers.

The new AE grades complement Solvay’s longstanding Amodel HS (Heat Stabilized) product line which has successfully served the automotive industry for more than 20 years. The AE line has been specially formulated to prevent corrosion issues while still maintaining the high-performance attributes that have made Amodel PPA a leading material solution in electrical/electronics applications. Amodel AE grades eliminate the possible shorting out or cross-talk between sensitive electrical contacts.

The AE line includes AE-4133, a high-flow, fast-cycling injection moldable material

available in black and natural. The water-moldable material delivers the highest heat distortion temperature (300°C, 572°F) in the Amodel PPA product line, making it well-suited for surface mount technology (SMT) and laser welding. The new line also offers AE-8133, which offers the highest retention of dielectric properties in the Amodel product line and is available in black. AE-8133 is processed on oil-heated injection molds and is particularly suited for power electronics applications for hybrid vehicles.

Solvay has also introduced a developmental grade, Amodel PXM-11229, which is a partially bio-based material that offers up to 5% lower specific gravity and one-third the moisture absorption vs. comparable glass-reinforced standard Amodel grades.

Amodel PPA is one of the industry's most specified materials for automotive under-the-hood applications. For more than 20 years, it has been known for its high flow/fast cycling, high HDT for lead-free soldering, excellent chemical resistance, low moisture absorption/strong dimensional stability, and impact performance for practical toughness.

### **About Solvay Specialty Polymers**

Solvay Specialty Polymers is comprised of the activities of the Solvay Advanced Polymers, Solvay Solexis and Solvay Padanoplast companies along with the Ixan® and Diofan® PVDC product lines. As the manufacturer of more products with more performance than any other polymer company in the world, Solvay Specialty Polymers supplies over 1500 products across 33 brands of high-performance polymers – fluoropolymers, fluoroelastomers, fluorinated fluids, semi-aromatic polyamides, sulfone polymers, aromatic ultra polymers, high-barrier polymers and cross-linked high-performance compounds – for use in Aerospace, Alternative Energy, Automotive, Healthcare, Membranes, Oil & Gas, Packaging, Plumbing, Semiconductors, Wire & Cable, and other markets. Learn more at [www.solvayspecialtypolymers.com](http://www.solvayspecialtypolymers.com).

Solvay is an international industrial Group active in Chemistry. It offers a broad range of products and solutions that contribute to improving quality of life. The Group is headquartered in Brussels and its companies employ 17,000 people in over 40 countries. In 2010, its consolidated sales amounted to EUR 7.1 billion. Solvay is listed on the NYSE Euronext stock exchange in Brussels (NYSE Euronext: [SOLB.BE](http://www.nyse.com/quote/SOLB:BE) - Bloomberg: [SOLB.BB](http://www.bloomberg.com/quote/SOLB:BB) - Reuters: [SOLBt.BR](http://www.reuters.com/quote/SOLBt:BR)). Details are available at [www.solvay.com](http://www.solvay.com).

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