

## Solvay Specialty Polymers Expands Amodel® PPA Portfolio to Meet Growing Demand for Automotive Electrification Solutions

*Advanced new grades in Amodel® AE-8900 series meet performance criteria for emerging automotive electronics applications*

**ALPHARETTA, Ga., Oct. 15 2015** – Solvay Specialty Polymers, a leading global supplier of high-performance thermoplastics, has expanded its Amodel® AE-8900 series of products for automotive electronics applications by adding five new glass fiber-reinforced grades with glass filler ranging from 30 to 60 percent. The new Amodel® polyphthalamide (PPA) materials provide high voltage resistance and retention of dielectric properties at elevated temperatures. They also extend the performance envelope beyond the Amodel® AE-1100 and AE-4100 series by delivering greater resistance to automotive fluids, enhanced thermal properties, higher mechanical strength and lower moisture absorption.

“Automotive design engineers are intensely focused on greater electrification of the drivetrain in order to meet upcoming carbon dioxide emissions standards in Europe and emerging Corporate Average Fuel Economy (CAFE) standards in the United States and China,” said Brian Baleno, global automotive business development manager for Solvay Specialty Polymers. “Our new Amodel® AE grades exemplify Solvay’s industry leadership by expanding the range of advanced materials that meet or exceed critical design criteria for these emerging electronic drive systems.”

Solvay’s new Amodel® AE-8900 series includes AE-8930, AE-8935, AE-8940, AE-8950 and AE-8960 grades, which have 30, 35, 40, 50 and 60 percent glass fiber reinforcement respectively. They offer the best performance among commercially available PPAs with comparative tracking index (CTI) values in excess of 600 volts, indicating excellent resistance to electrical breakdown of the insulating material. This attribute eliminates the possible shorting out or cross-talk between sensitive electrical contacts.

Notably, Amodel® AE-8935 provides the best crack resistance during thermal shock testing of any commercial PPA product. This grade, along with Amodel® AE-8940 PPA, meets key design criteria for emerging automotive technologies, such as electric motors, fuel cell vehicles and power electronics. Specifically, they deliver a high CTI, strong moisture resistance and reliable performance at temperatures ranging from -40° to 150° C (-40° to 302° F).

“Combined with the recent addition of Ryton® PPS polymers to our advanced materials portfolio, the expanded Amodel® AE-8900 series uniquely positions Solvay as a comprehensive source of advanced polymer solutions for the fast-growing automotive electronics industry,” said Baleno. “Our portfolio now encompasses aromatic products for injection molded electronic components, fluoroelastomers for sealing systems and fluorinated fluids used in electrical contacts.”

Amodel® AE-8900 resins are available worldwide from Solvay and its distributors.

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### About Solvay Specialty Polymers

Solvay Specialty Polymers manufactures over 1500 products across 35 brands of high-performance polymers – fluoropolymers, fluoroelastomers, fluorinated fluids, semi-aromatic polyamides, sulfone polymers, aromatic ultra-high performance polymers, high-barrier polymers and cross-linked high-performance compounds – for use in Aerospace, Alternative Energy, Automotive, Healthcare, Membranes, Oil and Gas, Packaging, Plumbing, Semiconductors, Wire & Cable, and other industries. Learn more at [www.solvayspecialtypolymers.com](http://www.solvayspecialtypolymers.com).

As an international chemical group, **SOLVAY** 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 26,000 people in 52 countries and generated 10.2 billion euros in net sales in 2014. Solvay SA (**SOLB.BE**) is listed on **NYSE Euronext** in Brussels and Paris (Bloomberg: **SOLB:BB** - Reuters: **SOLB.BR**).

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Solvay Specialty Polymers expanded its Amodel<sup>®</sup> AE-8900 series of polyphthalamide (PPA) polymers for automotive electronics applications by adding five new glass fiber reinforced grades that provide high voltage resistance and retention of dielectric properties at elevated temperatures. The five new high-performing grades also deliver greater resistance to automotive fluids, enhanced thermal properties, higher mechanical strength and lower moisture absorption to support development of electrified drivetrains and other demanding automotive electronics applications.