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Useful Solutions for Solar Industry and Wires & Cables at K from PolyOne

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Germany -- PolyOne Corporation is presenting several innovative products and solutions at its "Make It Possible" exhibit, located in Hall 8b / Stand G46 during the ongoing K 2010 exhibition.

ECCOH™ RP wire and cable compounds

A new range of LSFOH (low-smoke, free of halogen), radiation protection compounds developed to meet the end-use requirements for cables installed in nuclear energy plants.

PolyOne's ECCOH™ RP demonstrate flame retardancy with low toxicity, low smoke emission, and no corrosivity, as well as a wide temperature rating from -40°C to +120°C. ECCOH™ RP compounds are available globally for many applications in nuclear plants, including cables in energy (from low to high voltage), control, public address, data and telecommunications, instrumentation and sensor, control room, and fire alarm applications.

Termite and rodent repellent concentrates for wire and cable jacketing

PolyOne announced plans to incorporate C-Tech Corporation's non-toxic rodent and termite repellent additives to their offering. These new repellent additives will be marketed under the PolyOne OnCap™ concentrate brand.

PolyOne's OnCap™ termite repellent and OnCap™ rodent repellent additive concentrates for wire and cable jacketing will contain C-Tech's Termirepel™ and Rodrepel™ repellents. These PolyOne OnCap™ concentrates will be available globally, and PolyOne will be the exclusive distributor for these C-Tech products in the United States, Canada, Europe, East Asia, and Oceania.

These OnCap™ additive concentrates in free-flowing pellet form offer safe and easy handling and disperse well in extrusion applications. They are available as either standard products or as part of a custom formulation that can contain one or several additive functions. PolyOne also offers SmartBatch™ concentrates with Termirepel™ and Rodrepel™ repellents, which combine both color and additive concentrates in one pellet.

Solar energy polymer solutions

PolyOne offers a full range of material solutions for the solar industry, including products for photovoltaic wire and cable, photovoltaic back sheets, connectors and housings. Available products include:

- ECCOH™ Solar-T LSFOH compounds
- OnColor™ Solar black color concentrate
- Smartbatch™ Solar red or blue color with UV additive concentrate
- OnCap™ Solar dry silane concentrate for crosslinking

For improved efficiency and performance of photovoltaic polymer backsheet laminates, PolyOne offers specialized color and additive concentrates. For example, polymer-specific OnColor™ color concentrates have been developed to meet targeted performance characteristics such as ultrafine dispersion, clear visual differentiation and optimum opacity and reflectance. Proprietary OnCap™ additive concentrates that extend laminate long-term service life are available as well.

PolyOne's halogen free flame retardant (HFFR) engineered materials portfolio, including Bergamid™ PA, Bergadur™ PBT, Maxxam™ PP, and high-temperature polyamide Edgetek™ AM compounds, are suitable for use in a variety of photovoltaic electrical applications. These eco-conscious HFFR materials can be used in connectors, fuse holders, and circuit breakers, where compliance with IEC 60364-7-712 international standard for solar photovoltaic electrical components is required. The compounds offer excellent electrical properties (CTI 600V), dimensional stability, flammability performance (GWFI 960°C, UL94-V0), low moisture sensitivity and good chemical and environmental resistance.

PolyOne offers an effective solution for housings of solar-powered lights, which must maintain color and appearance under outdoor exposure. PolyOne's pre-colored Geon™ high-flow vinyl molding compound has excellent flow, surface finish, and color retention, and is a cost-effective and attractive alternative to painted metal housings.

About ECCOH

PolyOne's global LSFOH business unit, part of the Company's Specialty Platform, has been renamed ECCOH High Performance Solutions. The new name mirrors the unit's primary focus, which is to leverage its expanding portfolio of ECCOH™ Compounds to meet customer needs for specialty high-performance LSFOH solutions.

About PolyOne Corporation

What will be the strongest business driver in 2011 for your company?

- Opportunities on sustainability
- Global economy recovery
- Emerging countries growth
- Your company innovation pipeline
- K2010 Outcomes

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PolyOne Corporation, with 2009 annual revenues of \$2.1 billion, is a provider of specialized polymer materials, services and solutions. Headquartered outside of Cleveland, Ohio USA, PolyOne has operations around the world.

Source: *PolyOne Corporation*

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