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PRESS RELEASE

Electrolube Launch New Form-in-Place EMI Shielding Materials at SMT

Global electro-chemicals manufacturer, Electrolube, will introduce a new range of Form-In-Place EMI shielding materials and a brand new silver conductive adhesive at this year's SMT Hybrid Packaging show in Nuremberg, from 5th -7th June. The products have proven extremely successful in China, where they have primarily been used for the smart phone market, and are now being launched to automotive manufacturers in Europe, who require reliable, high performance EMI shielding materials for applications such as automatic mirrors, cameras, radar modules, rear/side detection systems and car audio/entertainment systems.

Electrolube's form in place materials are dispensed onto metal, or conductive painted, plated, or metallic surfaces in the electronic enclosures to form an electromagnetic shield that is continuously conductive. FIP is suitable for applications that requires environmental sealing, has complex or rounded surfaces, or contains miniature devices requiring a precision gasket, thus protecting the enclosure against internally and externally radiated interference and environmental elements.

Electrolube's FIP200 and FIP210 are single component moisture cure EMI shielding materials, designed to provide superior protection of electrical devices from electromagnetic interference in harsh environments. These environmentally friendly, low odour Form-in-Place materials are fast curing, flame retardant to UL94 V-0 and provide high dispensing performance. The both materials are designed for ease of dispensing small gasket beads (0.5mm width by 0.4mm height) and ideal for applications including smart phones and automotive.

FIP200 is a single component moisture cured material filled with traditional Ag/Cu particles. FIP210 is also a single component moisture cured material filled with Ni/Cu particles. FIP200 offers low hardness, low closure force and superior electrically conductivity performance. FIP210 offers high shielding effectiveness, low corrosion and low closure force. Superior performance in harsh environments makes this material an excellent choice for applications requiring long term reliability. Both materials have a tack free time of 5 minutes at 25 °C, 50% higher RH with a maximum operating temperature of 125 °C.

Also making its debut at the SMT Hybrid Packaging show will be Electrolube's SCPE, a new generation silver conductive adhesive, which has been specifically designed for LCD and LCM screens in cell phones and tablets. Suitable for high speed automatic dispensing, SCPE is a fast curing adhesive that meets the demands for high throughput applications. The cured adhesive has excellent electrical conductivity and good adhesion to ITO screens. The silver conductive adhesive can be used to release static electricity from the polarising film in LCM manufacture, and after heat and humidity testing, SCPE does not permeate through the polarising film. With a wide operating temperature of -50 to +125 °C, SCPE is a low viscosity, RoHS Compliant adhesive, which provides a fast cure time of 10 minutes at 20 °C.

Electrolube will also be launching new silicone and polyurethane conformal coatings at the show, as well as new encapsulation resins and thermal management materials. The company's senior technical team will be in Hall 4, Stand 548, to advise visitors of suitable solutions to protect their devices more efficiently and increase product lifetime.

For further information, please visit <http://www.electrolube.com>.

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About Electrolube

Electrolube, a division of H.K. Wentworth Limited, is a leading manufacturer of specialist chemicals for electronics, automotive and industrial manufacturing. Core product groups include conformal coatings, contact lubricants, thermal management materials, cleaning solutions, encapsulation resins and maintenance and service aids.

The extensive range of electro-chemicals at Electrolube enables the company to offer a 'complete solution' to leading manufacturers of electronic, industrial and domestic devices, at all levels of the production process. Through collaboration and research, the company is continually developing new and environmentally friendly products for customers around the world and their commitment to developing 'greener' products has been endorsed by the ISO 14001 standard for the highly efficient Environmental Management System in place at the company.

Winners of the Queen's award for Enterprise 2016, Electrolube is represented in over 55 countries with an established network of subsidiaries and distributors. By offering genuine security of scale and a reliable supply chain, the company is able to deliver a truly tailored service.

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