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## ElectriPlast Material Chosen For High Voltage Connector for Karma Automotive, LLC

EVANSVILLE, Ind., Feb. 2, 2017 /PRNewswire/ --[ElectriPlast Corporation](#), a wholly owned subsidiary of Integral Technologies, Inc. [OTCBB: ITKG], and makers of the ElectriPlast™ line of electrically conductive resins, announced today they have been selected and supplied ElectriPlast™ conductive plastics for use in the [Karma Revero](#) plug-in hybrid electric vehicle.

The ElectriPlast engineering team assisted in the successful development of a retainer for high voltage ("HV") connectors. The connector retainer is a key component of the connector that holds the cable seals in place and limits cable movement and provides electromagnetic interference (EMI) and radio frequency interference (RFI) shielding.

"ElectriPlast [EP-SS/66](#) was the product for the cable retainer on Karma HV connectors," stated Slobodan (Bob) Pavlovic, ElectriPlast's VP of Engineering. "This is one of the products we offer that provides both electrical shielding and the elastic properties needed for the retainer. The retainer has very tight electrical shielding requirements and working with the customer, we were able to fine tune the parameters to achieve less than 10 milliohms resistance across the retainer volume which correlates with high shielding effectiveness. The HV connector has been fully validated at the vehicle level."

The Revero is a luxury plug-in electric hybrid vehicle built in Southern California. It will be the first car sold in the U.S. powered by electricity, gas and solar. The solar roof not only charges the 12V battery, but also charges the HV battery, adding to the electric range.

"The HV connector is a universal design that can support both DC (2 wire) and AC (3 wire) connections, as well as high power requirements up to 500 amps via parallel wiring / four (4) wires for DC applications, each pole having one (1) pair of wires," stated Mo Zeidan, ElectriPlast's CTO.

"We appreciate Karma's leadership in using ElectriPlast for their HV connector application and are excited about the opportunities to assist them as they apply our materials to HV connectors and enclosures as the lightweighting solution for HEV/EV energy storage, power management and power distribution systems," stated Doug Bathauer, Integral's CEO.

The electric vehicle market remains robust with <http://www.insideevs.com> reporting 2016 sales of plug-in hybrids in the US at 170,000 vehicles, a nearly 40% increase from 2015, and worldwide sales of plug-in hybrids at nearly 700,000 vehicles. Bloomberg New Energy Finance ("Bloomberg") suggests that further, big reductions in battery prices lie ahead, and that during the 2020s EVs will become a more economic option than gasoline or diesel cars in most countries. The Bloomberg study, published in 2016, forecasts that sales of electric vehicles will hit 41 million by 2040, representing 35% of new light duty vehicle sales. This would be almost 90 times the equivalent figure for 2015 EV sales.

About Integral Technologies, Inc.

Integral Technologies Inc. ([OTC-BB: ITKG](#)) and wholly owned subsidiary [ElectriPlast Corp.](#) engage in the discovery, development, and commercialization of electrically conductive hybrid plastics used primarily as raw materials in the production of industrial, commercial and consumer products and services worldwide. Its core material, ElectriPlast®, is a non-corrosive, electrically conductive resin-based material whose properties allow it to be molded into any of the infinite shapes and sizes associated with plastics, rubbers and other polymers while reducing component weight by 40 to 60%. Integral is a leader in conductive hybrid plastics with a broad Intellectual Property portfolio referencing its ElectriPlast technology. Applications for ElectriPlast include: Shielding Wire, Power Electronics, Connectors, and Cables; Shielding, Conduction, Batteries, Semiconductors, Heated Elements, Sensors, Antennas, Medical Devices, Consumer Electronics and Acoustics, Fuses, Capacitors, Resistors, RFID, Bus bars and Terminals.

About Karma Automotive LLC

Karma Automotive, an American car company of luxury hybrid plug-in vehicles, is based in Southern California.

Please go to <http://karmaautomotive.com/> for more company information.

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