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PolySource to Present Advantages of Polyketone in Automotive Fuel Systems
at the ITB Energy Storage Systems Technical Conference

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Kansas City, MO: Dr. Cliff Watkins, Director of Applications Development for PolySource, will be presenting a technical paper titled “Aliphatic Polyketone in Fuel Contact Applications” at the 2018 ITB Automotive Energy Storage Systems Conference to be held in Detroit, Michigan, March 7th and 8th. New performance requirements for fuel tank modules and the entire fuel handling sub-system are driving a change in material from POM to higher heat engineering resins, such as PPA. Watkins states, “PPA is more difficult to mold than POM and significantly higher in cost too. Tier 1 engineers have recognized that polyketone might be the better option than PPA. Polyketone has the moisture resistance and frictional performance of polyacetal, the thermal resistance of polyamide 6 and fuel permeability resistance that is nearly 10 times that of polyamide 12.” Dr. Watkins will present a progress report on testing that is underway now in basic material testing, fuel exposure and zinc chloride resistance. Performance benefits obtained with aliphatic polyketone in various fuel contact components will also be highlighted.

PolySource, the applications development contractor for Hyosung Corporation, has been actively pursuing the re-approval of aliphatic polyketone in North American automotive applications, especially fuel contact devices, where Shell CARILON®, was once used. Hyosung, of Seoul South Korea manufacturers aliphatic polyketone under the POKETONE® brand. Aliphatic polyketone is again receiving broad interest in the automotive segment, as well as in new markets and new applications.

PolySource, founded in 1993, is an applications development and materials supply company, assisting customers with mold design, processing, and materials selection as well as logistics and warehousing. PolySource is well positioned to manage the needs of its customers through its experienced technical sales force, customer service team, and network of warehouses. As a partner of GEPA, (Global Engineering Plastics Alliance) PolySource solves customer problems globally.

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