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**For Immediate Release**

**Award-Winning LCP Monofilament and Aeos® ePTFE Suture Monofilament at MD&M East**

*Device manufacturers, clinicians, hospitals and patients all stand to benefit from new advanced components created from extrusions.*

New York, NY – May 18, 2017 – Zeus Industrial Products, Inc. (“Zeus”) is bringing its award-winning LCP monofilament to MD&M East, June 13-15. Launched fall of 2016, the product received consecutive innovation awards at two medtech conferences for its development of a novel extruded Liquid Crystal Polymer (LCP) for use in percutaneous catheter-based devices. LCP monofilament took the innovation award during its launch at MD&M Minneapolis in September 2016 and again at BIOMEDevice in San Jose in December 2016. It was also awarded 2016 Product of the Year Finalist by Medical Design Briefs.

LCP monofilament addresses a market need for medical device components that are suitable for use in MRI-guided vascular intervention. Magnetic resonance imaging (MRI) uses a strong magnetic field to image the body and is known as the gold standard in diagnostic imaging. This non-invasive imaging technique can be used to diagnose several medical conditions because of its superior ability to visualize soft tissue. Currently, however, vascular interventions such as cardiac ablation, percutaneous transluminal coronary angioplasty (PTCA), and transcatheter aortic valve replacement (TAVR) rely on fluoroscopy (x-ray) as a means to visualize the procedure. These interventions use catheters constructed of metals such as stainless steel to allow flexibility and kink resistance. Unlike MRI, procedures using x-ray expose patients and clinicians to ionizing radiation. With the ever-increasing interest in the development of an MRI-compatible intravascular catheter, last fall Zeus premiered this technology that overcomes a significant limitation of other vascular visualization procedures and removes radiation exposure as a consequence. With exceptional tensile strength, LCP monofilament provides a safe braiding option for medical device manufacturers aiming to capitalize on the benefits MRI provides to doctors and patients.

LCP monofilament is easily braided with industry-standard equipment. The monofilament likewise displays less fraying (“bird nesting”) than comparable monofilament and multifilament fibers during the braiding process, resists kinking, and can be wound onto Steeger and Wardwell bobbins and DIN 160 spools. Class VI-approved, LCP monofilament provides a means to eliminate metal catheter shafts; it is autoclavable and can be supplied with tight tolerances in customizable sizes and profiles.

### **Aeos® ePTFE Suture Monofilament**

In addition, Zeus is displaying its latest offering, an expanded polytetrafluoroethylene (ePTFE) suture based on physicians' needs. The structure of the Aeos® ePTFE material consists of solid nodes interconnected by a matrix of thin fibrils. The spacing between these nodes and fibrils – which are manipulated during extrusion – enable the material to achieve microporous qualities. This microporous character supports new tissue growth into the suture while providing exceptional strength.

Aeos® ePTFE suture monofilament can be swaged onto needles up to a 1:1 needle-to-suture ratio minimizing bleeding at the suture site. These sutures are characterized by a soft feel and drape preferred by surgeons for ease of handling during surgery.

Engineers and scientists from Zeus will be on hand at MD&M East at Booth 1603 to review how Aeos® differs from traditional monofilament sutures as well as the unique attributes of Aeos® ePTFE suture monofilament that can influence knot strength and sizing, and will also be available to answer questions about the LCP monofilament.

### **About Zeus Industrial Products, Inc.**

Zeus Industrial Products, Inc., is headquartered in Orangeburg, SC, USA. Its core business is the development and precision extrusion of advanced polymeric materials. The company employs 1,250 people worldwide with manufacturing facilities in Aiken, Gaston, and Orangeburg, South Carolina; Branchburg, New Jersey; and Letterkenny, Ireland. Zeus products and services serve companies in the medical, automotive, aerospace, fiber optics, energy, and fluid management markets. For more information, visit [www.zeusinc.com](http://www.zeusinc.com).