

FOR IMMEDIATE RELEASE

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HUNTSMAN TO OFFICIALLY INTRODUCE IROPRIENT™ ADDITIVE MANUFACTURING PLATFORM AT K 2019

Visit Huntsman at K 2019 at Booth 22 in Hall 8a

16 to 23 October 2019 - Düsseldorf Messe, Düsseldorf, Germany

Delivering Elastomers Innovation: Premium PU & TPU: Passionate people. Powerful possibilities

Osnabrück, GERMANY: Huntsman will officially introduce its range of IROPRIENT™ additive manufacturing resins, powders and filaments to the global plastics market at K 2019 this week. During K, visitors to Huntsman's stand will be able to watch IROPRIENT 3D printing materials in action – with an IROPRIENT™ F filament product printed at the booth, on an Ultimaker S5 machine. There will also be a number of 3D printed items for visitors to see and touch, demonstrating the elasticity of IROPRIENT™ additive manufacturing materials, which are soft and flexible, yet tough and strong.

Huntsman's IROPRIENT™ additive manufacturing platform contains three different kinds of urethane-based materials:

- **IROPRIENT™ F filaments** are a range of high performance TPU materials, with a consistent diameter, designed for use with fused filament fabrication (FFF) and other extrusion-based printing methods
- **IROPRIENT™ R resins** are soft, durable, one-component liquid resin systems for 3D printed via stereolithography (SLA), digital light processing (DLP) and other radiation-curing methods
- **IROPRIENT™ P powders** are high performance, thermoplastic polyurethane (TPU), powder-based materials for high speed sintering (HSS) and selective laser sintering (SLS) forms of printing.

The IROPRIENT™ material that will be printed at the show is IROPRIENT™ F 80213 filament - a soft thermoplastic polyurethane (TPU) with a shore hardness of A85. Typically, soft TPU filaments are not easy to print, but IROPRIENT™ F 80213 is different – delivering less friction in filament guiding tubes. Unique in the range of IROPRIENT™ additives, IROPRIENT™ F 80213 filament is a polyether-based TPU, which makes it hydrolysis resistant. Crucially, it is one of the softest and the only polyether-based TPU material qualified to work with the Ultimaker S5 – an easy-to-use desktop 3D printer.

Bart van As, Product Manager Materials at Ultimaker, said: "We see a great deal of customer interest in flexible materials. I am very happy to see that Huntsman's new TPU filament prints so well on Ultimaker printers. It is a great addition to the Ultimaker Marketplace and opens up many new applications for our customers."

Commenting, Stephane Peysson, Global Business Development Manager, at Huntsman, said: “Since unveiling our IROPRINT™ additive manufacturing platform at the K preview in July, we’ve been busy dealing with enquiries from companies that are interested in using the materials. This includes printer companies that want to know more about what the range has to offer – as well as product designers in the footwear industry and beyond. We have some really exciting projects in the pipeline and are looking forward to having further interesting discussions at K with key decision makers from the materials world.”

Huntsman’s IROPRINT™ additive manufacturing materials were designed with the needs of the footwear industry in mind. However, many other applications exist for this innovative platform of products, which delivers soft, flexible and durable properties. Additional application examples include objects that need to possess rubber-like characteristics such as seals and gaskets, consumer wearables, grips, flexible ducts, grommets, bushings and vibration dampening components.

To speak to Huntsman’s IROPRINT™ additive manufacturing experts, visit the team at K 2019 at Booth 22 in Hall 8a from 16 to 23 October 2019 or email: IROPRINT@huntsman.com. Further information is also available at www.IROPRINT.com

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About Huntsman:

Huntsman Corporation is a publicly traded global manufacturer and marketer of differentiated and specialty chemicals with 2018 revenues more than \$9 billion. Our chemical products number in the thousands and are sold worldwide to manufacturers serving a broad and diverse range of consumer and industrial end markets. We operate more than 75 manufacturing, R&D and operations facilities in approximately 30 countries and employ approximately 10,000 associates within our four distinct business divisions. For more information about Huntsman, please visit the company's website at www.huntsman.com.

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Forward-Looking Statements:

Certain information in this release constitutes forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. These statements are based on management's current beliefs and expectations. The forward-looking statements in this release are subject to uncertainty and changes in circumstances and involve risks and uncertainties that may affect the company's operations, markets, products, services, prices and other factors as discussed under the caption "Risk Factors" in the Huntsman companies' filings with the U.S. Securities and Exchange Commission. Significant risks and uncertainties may relate to, but are not limited to, volatile global economic conditions, cyclical and volatile product markets, disruptions in production at manufacturing facilities, reorganization or restructuring of Huntsman's operations, including any delay of, or other negative developments affecting the ability to implement cost reductions and manufacturing optimization improvements in Huntsman businesses and realize anticipated cost savings, and other financial, economic, competitive, environmental, political, legal, regulatory and technological factors. The company assumes no obligation to provide revisions to any forward-looking statements should circumstances change, except as otherwise required by applicable laws.