

Paris – November 14th, 2017

Arkema announces a partnership with EOS in additive manufacturing

The Formnext tradeshow held in Frankfurt (Germany) from 14 to 17 November 2017 is the opportunity for Arkema to announce a development partnership in high temperature powders with EOS, pioneer and innovator of additive manufacturing solutions, and showcase its wide range of 3D printing solutions.

The global 3D printing market was worth US\$ 15.9 billion in 2016, and is expected to grow to US\$ 35.4 billion by 2020*, driven by strong growth in industrial applications.

Against this backdrop, Arkema is pleased to announce that it has entered into a joint development agreement with EOS, a world leading technology supplier in the field of industrial 3D printing of metals and polymers, to develop novel high temperature powders (Kepstan® PEKK) adapted to their latest platform, EOS P 500.

This agreement is part in particular of the development of industrial applications directly with end-users and of benchmarking additive manufacturing vs. traditional processing technologies such as injection molding and stock shape machining.



Additionally, Arkema will present, at the Formnext tradeshow, its full range of advanced materials and innovative solutions for prototyping and small series technical parts manufacturing. The Group boasts a unique position, with a product range covering all printing technologies: laser sintering, stereolithography, material jet printing, and the FFF (Fused Filament Fabrication) technology.

Kepstan® PEKK is the latest addition to the PAEK (Poly-Aryl-Ether-Ketone) family, and is ideally suited for metal replacement thanks to its very high service temperature, chemical resistance, and excellent fire retardancy. These attributes, coupled with its mechanical integrity, have already made Kepstan® PEKK the material of choice for additive manufacturing in particular in the aerospace industry.

Rilsan® PA11 is now chosen by more and more companies for their additive manufacturing projects thanks to its unparalleled mechanical strength and durability. Arkema has developed a specific range of 100% biosourced polyamide powders, under the brand Rilsan® Invent, resulting from the synergy of their exclusive chemistries and decades of powder expertise. Key features of these materials include excellent processability, exceptional impact resistance, better ductility, USP Class VI compliance, and deep matte finish.

Sartomer® UV curable systems, known under the brand N3xtDimension™, constitute the new generation of engineered solutions for additive manufacturing. Along with a top quality resolution, these innovative photocure resins are developed to meet SLA (stereolithography), DLP (digital light processing) and MJP (multijet printing) challenges, in terms of processability, high mechanical performance and durability.

Come and visit our stand (#3.1 – C48) from 14 to 17 November 2017 to talk to our experts and find out about our extensive 3D printing offering.

* Source: IDC Consultants

Rilsan® and Kepstan® are registered trademarks of Arkema. N3xtDimension™ is a trademark of Sartomer, an Arkema company.

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A designer of materials and innovative solutions, **Arkema** shapes materials and creates new uses that accelerate customer performance. Our balanced business portfolio spans high-performance materials, industrial specialties and coating solutions. Our globally recognized brands are ranked among the leaders in the markets we serve. Reporting annual sales of €7.5 billion in 2016, we employ approximately 20,000 people worldwide and operate in close to 50 countries. We are committed to active engagement with all our stakeholders. Our research centers in North America, France and Asia concentrate on advances in bio-based products, new energies, water management, electronic solutions, lightweight materials and design, home efficiency and insulation. www.arkema.com

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