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Sirrus and Sartomer, Business Line of Arkema, Advance Fast-Curing 3D Printing Resins

Sartomer, a pioneer in advanced photocurable resin solutions, and Sirrus, a developer of novel methylene malonate monomers and oligomers, are partnering to create new fast-curing methacrylate 3D printing resins. Experts from the companies will reveal these innovative technologies at RadTech Orlando 2020.

The new 3D printing resins are based on the copolymerization of methylene malonates and methacrylates. "Research has demonstrated that methylene malonate comonomers can significantly enhance the UV-cure rate of some methacrylates," said Mark Holzer, Sirrus Vice President of Application Development.

"The collaboration between Sirrus and Sartomer is yielding discoveries that are leading to development of new resins for 3D printing that will open up new regimes of printing and physical properties performance," said Jeff Klang, Global R&D Director - 3D Printing, Sartomer.

At RadTech 2020, Sirrus will present related research on the UV curing of methylene malonates. Sartomer will present research on a variety of additive manufacturing topics including new N3xtDimension® photocurable resins for 3D printing; methods to achieve high heat resistance in 3D printing applications; new high-performance materials for 3D printing; and binder development for the 3D printing of ceramic.

Technical experts from both companies will be on hand to discuss methylene malonates and their role in the next generation of 3D printing resins. Sirrus representatives will be at booth 422 and Sartomer representatives at booth 501.

For more information on Sirrus' methylene malonate technology visit www.sirruschemistry.com/.

To discover more about Sartomer's innovative solutions including N3xtDimension® resins for UV-curable additive manufacturing, visit sartomer.com. N3xtDimension® photocurable resins are part of the [3D Printing Solutions by Arkema](#) platform, offering the broadest range of advanced materials for all major additive manufacturing technologies.

About Sirrus

Sirrus Inc. develops and supplies unique chemical building blocks for the next generation of high-performance coatings, adhesives, sealants and composites. Our patented technology focuses on methylene malonate monomers and oligomeric crosslinkers that can polymerize anionically at ambient temperatures. Sirrus works with development partners in the automotive, electronics, packaging and consumer goods industries to deliver sustainable products that will enhance energy efficiency, safety and performance. Sirrus Inc. is a wholly owned subsidiary of Nippon Shokubai, a global chemical company and leading supplier of acrylates, specialty monomers, functional polymers and catalysts. For more information, visit www.sirruschemistry.com/.

About Sartomer

Sartomer is a premier global supplier of specialty chemicals for ultraviolet and electron beam (UV/EB), peroxide, and two-part epoxy/amine systems. For more than 60 years, Sartomer has pioneered the development of these advanced technologies, introducing hundreds of products that enhance performance in 3D printing, coatings, graphic arts, adhesives, advanced materials and other demanding applications. On Oct 1, 2019, Arkema acquired Lambson Ltd under its Sartomer business line. Lambson is specialized in photoinitiator systems, cationic resins and additives. These solutions provide the perfect complement to Sartomer's portfolio of solutions, which will boost development and the leadership position of the Group in the energy curing market. For more information, click here. For more information, visit sartomer.com.



About Arkema

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 of €8.7 billion in 2019, we employ approximately 20,000 people worldwide and operate in close to 55 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. For more information, visit arkema.com.

N3xDimension® is a registered trademark of Arkema.

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