

King of Prussia, Pa., March 30, 2022

ARKEMA TO HIGHLIGHT SOLUTIONS FOR SUSTAINABILITY AND HIGH PERFORMANCE AT AMUG 2022

Arkema, a pioneer and leader in high-performance materials for 3D printing, will promote sustainability and high-performance for end use part manufacturing, at the Additive Manufacturing Users Group (AMUG) 2022 Conference in Chicago, Ill., April 2-7, 2022.

During AMUG, Arkema will unveil several new products and strategic partnerships with key players along the value chain to leverage the unique features of additive manufacturing, which are freedom of design and customization, implementation speed and reduced raw materials use.

Arkema offers an extensive range of materials for each of the major 3D printing technologies.

Radiation Curing: N3xtDimension[®] liquid resins for UV-curable 3D printing include formulations, engineered resins for a targeted performance, and performance-building blocks and additives. At AMUG, Arkema will introduce five new high-performance custom formulations for UV-curing:

- N3D-TOUGH784: High-strength resin with excellent tensile strength and flexibility
- HT424: High strength, high temperature resin
- HT511: Tough, high-temperature resin
- DMT-303: Performance resin designed to print accurate dental models
- IC163: Casting resin for printing high-resolution, high-detail parts that burn out cleanly
- New PRO22802 elastomeric engineered resin, offering outstanding balance between elongation at break and tear strength, leading to excellent mechanical properties

Powder Bed Fusion: Arkema will showcase its latest development, SLS PEBAX[®] powder. This partially bio-based thermoplastic elastomer specifically designed for Selective Laser Sintering (SLS) maintains the outstanding combination of strength and elasticity that has made PEBAX[®] resins famous across many sectors, including sports, medical, and industrial applications.

Filament Extrusion: Together with Kimya, Arkema now offers PEKK-SC filament, made from Kepstan[®] PEKK. This semi-crystalline thermoplastic polymer offers high levels of heat and chemical resistance for the most demanding applications in oil & gas, aerospace, and metal replacement across all industries.

New partnerships: In November 2021, Advanced Laser Materials (ALM), an EOS company and leading materials developer for industrial 3D printing released the industry's first-ever carbon neutral certified* polymer materials line made with Arkema's Advanced bio-circular Polyamide 11 material, optimized for high performance. The use of these sustainable polymer materials produced by Arkema is another step in EOS' commitment to Responsible Manufacturing and sustainability and Arkema's commitment as a world leader in bio-circular materials.

In March 2022, Arkema partner BCN3D Technologies, Inc., unveiled their new Viscous Lithography Manufacturing (VLM)[™] resin-based 3D printing technology, with the ability to process resins 50-times more viscous than the industry standard. Through a Joint Development Agreement, Arkema is working with BCN3D to co-develop new materials to meet application requirements leveraging the unique benefits of the VLM technology. The partnership will open more opportunities to further evolve mass manufacturing and the production of functional parts.

Technical Presentations: During AMUG, Steve Serpe, Market Manager, will present, "The ABCs (Advanced Bio-Circular Materials) for Sustainable Production" on Monday, April 4, at 4:30 p.m. in the Joliet Room (3rd Floor). Join him to hear how major brands are utilizing the latest in materials and processes as they answer rising consumer demand for sustainability.

Amelia Davenport, Senior Engineer, will also present, “High Temperature, UV-Curable Additive Manufacturing Materials” on Monday, April 4, at 4:30 p.m. in the Joliet Room (3rd Floor). Join her to discover the best formulation and post-curing procedures to achieve high heat resistance in radical or hybrid systems.

To learn more, visit Arkema at AMUG, Booth P5. Details on Arkema 3D printing solutions can be found [here](#).

* Certified by TÜV SÜD – details can be found [here](#).

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Building on its unique set of expertise in materials science, **Arkema** offers a portfolio of first-class technologies to address ever-growing demand for new and sustainable materials. With the ambition to become in 2024 a pure player in Specialty Materials, the Group is structured into 3 complementary, resilient and highly innovative segments dedicated to Specialty Materials - Adhesive solutions, Advanced Materials, and Coating Solutions - accounting for some 85.5% of Group sales in 2021, and a well-positioned and competitive Intermediates segment. Arkema offers cutting-edge technological solutions to meet the challenges of, among other things, new energies, access to water, recycling, urbanization and mobility, and fosters a permanent dialogue with all its stakeholders. The Group reported sales of around €9.5 billion (\$11.2 billion USD) in 2021, and operates in some 55 countries with 20,200 employees worldwide.

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