

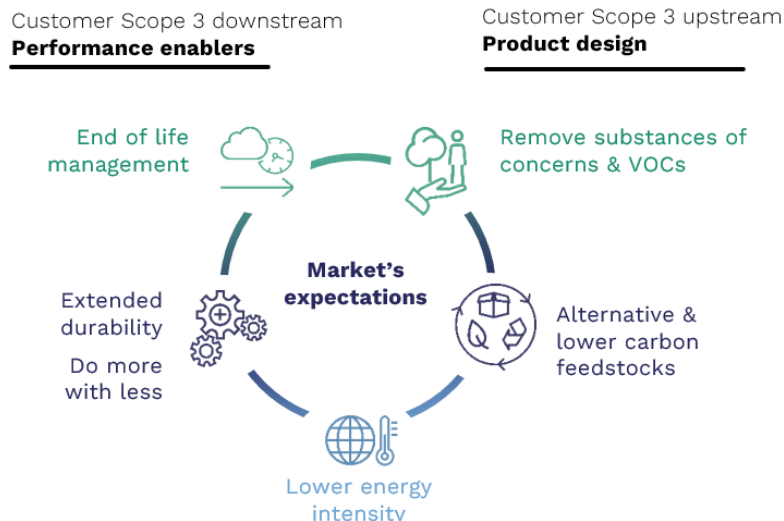
Exton, Pennsylvania, USA, May 8, 2024

### ARKEMA FEATURES MORE SUSTAINABLE MATERIALS AND INNOVATIONS FOR UV-LED-EB CURING SYSTEMS AT RADTECH 2024

Arkema, a world leader in specialty materials, will introduce the latest developments for more sustainable solutions for lower-energy intensive energy curing systems at RadTech UV+EB, May 20–22, 2024, in Orlando, Florida, at booth 301. During the technical conferences, Arkema experts will present research in UV-LED-EB sustainable materials for coatings, graphic arts, batteries, new energies and 3D printing applications.

“The market needs material solutions that enhance the **sustainability** and **performance** of energy curing applications, said Stephanie Montag, Regional President at Sartomer.

These include eliminating substances of concern and reducing VOCs, using lower carbon and more circular feedstocks, lowering carbon intensity in application, doing more with less and making it easier to recycle materials - all while maintaining durable product performance.”



Attendees can learn about these new sustainable material innovations for the SARTOMER® UV/LED/EB-curable specialty resin and N3XTDIMENSION® 3D printing product lines.

#### REMOVING SUBSTANCES OF CONCERN

- **Reactive resins for low extractables and migration:** Material advancements to reduce migration potential and further improve safety and performance in packaging inks and coatings.

#### LOWER CARBON AND MORE CIRCULAR FEEDSTOCKS

- **Bio-based (meth)acrylate solutions,** based on segregated feedstock, contain up to 88% bio-content. Arkema is introducing two new difunctional oligomers for 3D printing applications. SARBIO® 7405, toughening oligomer, contains 50% bio-content and brings an excellent balance between hardness and flexibility. SARBIO® 7407, highly flexible oligomer, contains 75% bio-content and enables high elastomeric performance.

- **Bio-attributed mass balance resins:** Arkema announced its first ISCC+ certification for UV-LED-EB solutions at Villers-Saint-Paul, France. This marks the first step in its ambition to further certify UV-LED-EB manufacturing sites in US and China.

## LOWER ENERGY INTENSITY

- **UV/EB-cured solutions for coil coatings:** Most recent material solutions to enable a technology transition for up to 60% energy savings\* in application, contributing to decarbonize the built environment.
- **Dielectric coatings for battery cells:** Solvent-free and lower energy-intensive UV-curable resins and photoinitiators enable excellent dielectric properties, adhesion, flexibility and ease of assembly.

## END OF LIFE MANAGEMENT – EASING RECYCLABILITY

- **De-inking solutions for UV printed inks:** New approach to enable recyclability of plastic substrates with or without a removable primer. This innovation supports our customers in their journey to a more sustainable future and enables more versatility in product development for the recycling of plastics.

## TECHNICAL CONFERENCE PROGRAM

Arkema researchers will present technical papers to highlight these sustainable innovations:

### MONDAY, MAY 20

- **A More Sustainable Process for Dispersing Core Shell Impact Modifiers in Hydrophobic Acrylic Monomers**, Christopher MacNeill, 3:00 p.m, Session 3C, Materials

### TUESDAY, MAY 21

- **The Future of Sustainability in Additive Manufacturing**, Clementine Champagne, 8:00 am, Session 4C, Sustainable Solutions
- **Enable Recyclability of Packaging with De-inking Solutions for UV Printed Inks**, Endrit Shurdha, 12:00 pm, Session 6A, De-Inking UV/EB Materials
- **Energy-Efficient Insulative Coatings for Battery Cell Applications**, Saeid Biria, 3:00 pm, Session 7A, Batteries II
- **Inherently Reactive Urethane Acrylate Oligomers for UV-cured Materials with Low Extractables**, Donald Herr, 3:00 pm, Session 7B, Photoinitiator II

### WEDNESDAY, MAY 22

- **Reactive Acrylic Copolymers for Low Extractable Coatings**, Elaine Ruiz, 8:00 am, Session 8C, Formulation

To access Arkema's show program for RadTech UV+EB 2024, visit

<https://sartomer.arkema.com/en/event/Sartomer/2024/arkema-at-radtech-2024/>.

To learn more about Arkema's sustainable offer for UV, LED and EB technologies, visit

<https://sartomer.arkema.com/en/sustainability/>.

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\*ECCA - Zero Carbon Coil Coating Line – The Way Forward

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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 92% of Group sales in 2023, 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 in 2023, and operates in some 55 countries with 21,100 employees worldwide.

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