



# FACT SHEET

CHINAPLAS 2025, Shenzhen, China, April 15, 2025

## CIRCULAR ECONOMY

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### OVERVIEW

As industries and consumers seek more sustainable solutions, circular economy is gaining momentum. According to an UN report, the circular economy could create more than 7 million jobs and unlock up to \$4.5 trillion in economic growth by 2030<sup>1</sup>.

In response to this global trend, SABIC is introducing innovative material solutions that support circularity through our TRUCIRCLE™ initiative. By working closely with partners across industries, SABIC enables a more sustainable plastics ecosystem through design for recyclability, mechanically recycled products, certified circular products, certified renewable products, and closed loop initiatives.

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### INDUSTRY LANDSCAPE

More governments and businesses are paying attention and taking action to tap into the potential of circularity. According to a report, the circular economy is projected to help reduce emissions by 40% and become a US\$2-3 billion market by 2026<sup>2</sup>. In China, policy initiatives such as the "14th Five-Year Plan for Circular Economy Development" are driving investments in recycling infrastructure, promoting closed-loop material systems, and reducing plastic waste.

Among the key strategies driving a circular economy, innovation in materials and recycling technologies is essential – for example – a combination of bio-based alternatives which do not compete with human food chain, improved mechanical recycling, and advanced recycling methods, supported by effective product design.

By continuously enriching TRUCIRCLE™ portfolio and services, SABIC is pioneering solutions that close the loop on plastic waste, enhance material performance, and support industries in satisfying evolving consumer demand while meeting their sustainability targets. Through collaboration and innovation, SABIC is helping accelerate the transition to a circular carbon economy while maintaining material quality, performance standards and aesthetic value.

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### SABIC SOLUTIONS

<sup>1</sup> Deloitte and Circle Economy Foundation, 2024

<sup>2</sup> The World Economic Forum, Bain & Company and the University of Cambridge, 2024

- **SABIC offers certified circular PP 56M65C for basketball flooring.** Made using advanced chemical recycling of mixed plastic waste, this TRUCIRCLE™ solution delivers the same durability and impact resistance as traditional PP.
- **SABIC offers a certified bio-based renewable PC for sunglasses lenses.** This TRUCIRCLE™ solution, made from second-generation bio-based feedstock, which does not compete with the human food chain. It significantly reduces carbon emissions while maintaining the same performance as traditional PC, meeting the rigorous optical and quality standards required for premium sunglasses lenses.
- **SABIC provides certified circular PP for BOPP film in snack bar packaging.** Produced through advanced recycling of mixed plastic waste, this TRUCIRCLE™ solution delivers identical performance to traditional PP, for high-quality packaging.
- **SABIC's LNP™ VISUALFX™ resin color chips for decorative or housing parts across various industries,** featuring in-mold aesthetic appearances, are tailored to meet diverse customer design needs. These resins can achieve tailored metallic effects, illuminated effects, light diffusion effects and diamond effects without painting. At the same time, they retain the advantages of PC copolymers in weather resistance, chemical resistance, low-temperature ductility and flame retardancy. Additionally, they offer physical properties like easy processing, along with visual effect benefits, including low flow lines, low welding lines and high brightness with system cost-efficiency.
- **SABIC's ULTEM™ 1010 resin for AR glasses frame** features inherent flame retardancy, high strength and balanced ductility, ensuring comfortable chapping force and wearing experience without wires. Its dimensional stability can also enhance assembly consistency, leading to higher productivity. We also offer bio-based ULTEM™ resins which deliver a lower carbon footprint while offering comparable high performance and processability as incumbent ULTEM™ materials.