

# FACT SHEET

CHINAPLAS 2023, Shenzhen, China, April 16, 2023

## PACKAGING

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### OVERVIEW

The global plastic packaging market is expected to reach USD 269.6 billion in 2025 according to a report by Grand View Research, Inc. This meets with a growing demand for flexible as well as rigid functional, food, non-food and beverage packaging products to serve an increasingly urban population worldwide.

Working closely with partners across the value chain, SABIC is firmly committed to help the packaging industry solve the challenges of these needs with an advanced portfolio of materials designed to minimize the environmental impact of packaging, increase recyclability, extend shelf life and prevent food losses, provide supply security and create sustainable growth. SABIC is also the first organization in the industry to commit itself to upscaling high-quality chemical recycling processes capable of returning mixed plastic waste to its original polymer form as it aims to help reduce plastic waste while addressing specific needs in the packaging industry.

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### INDUSTRY LANDSCAPE

By 2050, the global population is expected to reach over 9 billion people, placing further pressure on global food production and water supplies. Much of this pressure could however be relieved if levels of waste were reduced in the highly wasteful transportation and handling processes that dominate food supply chains around the world. One of the keys to minimizing food waste during these processes is improved packaging.

Today, China is leading an improvement in its consumption economy, which is seen as vitally important for the country's economic recovery and high-quality development. At the same time, fast-paced lifestyles are driving consumer expectations for brands to deliver packaging solutions that are lightweight, aesthetically distinctive, often transparent, hygienic and easy to open. Consumer focus on convenience and sustainability is not only putting pressure on packaging manufacturers, but also on retailers who stock the product, requiring them to drive change down through their value chain. With the demand for a mindset of continuous innovation, which includes considerably increasing the recyclability and reusability of packaging materials, the industry is looking to materials innovators for solutions.

SABIC, is addressing the challenges of the packaging industry with an extensive example of advanced material and technology solutions, demonstrating the feasibility of combining exceptional sustainability with outstanding durability and aesthetics. Over the past three years, the company has been collaborating with numerous leading players across the packaging value chain, focusing on five key drivers in the market: waste reduction through design for recyclability and use of mechanically

recycled products, use of certified circular polymers, closed-loop solutions and ocean-bound plastic, use of certified renewable feedstock, and enhanced functionality and consumer appeal. The products and samples on display at SABIC stand during the show in CHINAPLAS 2023, align closely with SABIC's TRUCIRCLE™ program and demonstrate how dedicated industrial partnerships are accelerating the journey towards real circularity without compromising product performance.

## SABIC SOLUTIONS FOR PACKAGING

- **Mono-material Packaging Films: SABIC® BX202 BOPE Dedicated Resin** is designed for BOPE film application. It facilitates mono-material PE structures, enabling 100% recycling and closing the circular economy loop. It has excellent processibility and is suitable for a commercial BOPP line. It also exhibits very good planarity and printability, thus making it possible for attractive graphics customization. Additionally, it has excellent toughness and stiffness, improving package integrity.
- **Bread Packaging: Made with Certified Circular Polyethylene (PE)** from SABIC's TRUCIRCLE™ portfolio, St. Johns' bread Packaging is a great collaboration example. St. Johns is a major UK based supplier of bakery products, its bags incorporate a 30% content of recycled feedstock from post-consumer waste. Using advanced recycling, the used and mixed plastic is converted into pyrolysis oil which is then used in the production of new polymers with the same purity and quality as traditional virgin plastics. SABIC's certified circular polymers form part of its TRUCIRCLE™ portfolio and services for circular solutions that also include design for recyclability, mechanically recycled products, certified renewables products from bio-based feedstock and closed loop initiatives to recycle plastic back into high quality applications and help prevent valuable used plastics from becoming waste.
- **SABIC® PP QRYSTAL QR6771K resin** is the latest random copolymer from SABIC with good organoleptic performance that minimize potential taste and smell transfer to the food contents for injection molded thin wall packaging applications. This product combines high transparency and high gloss with good strength and stiffness, aimed to offer fast processing, down gauging thus potential significant reduction of packaging material through thinner packaging.
- **Thin-wall Packaging Cups & Bottle Caps: SABIC® LLDPE** with high melt index (MI) offers excellent processing performance, good color stability, high whiteness, excellent thickness uniformity, food contact safety, as well as good dispersion. It is widely used in thin wall packaging and bottle caps, master batch and other applications.
- **SABIC® LDPE / LLDPE Dedicated Foam Grades** are SABIC's solution for foamed film. It combines the properties of foam sheets and films. With the thickness of 0.08mm~2.0mm, the foamed film can achieve 30% density reduction. It also has advantages in lightweight, matt texture, protection and easy processing.