

FACT SHEET

CHINAPLAS 2021, Shenzhen, China, April 13, 2021

CONSUMER GOODS

OVERVIEW

SABIC is committed to develop solutions that can reduce material consumption while offering greater cost effectiveness, functionality and convenience.

Our close partnership with customers allows us to align with their sustainability goals while providing solutions they need to succeed in the market. Embedding sustainability into our strategy maximizes economic benefit and provides maximum value throughout the value chain.

INDUSTRY LANDSCAPE

By 2050, more than two-thirds of the world's population is projected to be living in urban areas. With the improvement of living standards and growing demand for recycling solutions, there is a need to use resources more effectively and make life better in the future. Cost efficient, sustainable technology and solutions will help to reduce plastic waste and reduce the burden that single-use plastics have placed on society, thereby providing valuable, personalized and eco-friendly consumer goods.

SABIC SOLUTIONS FOR CONSUMER GOODS

- **SABIC® LEXAN™ polycarbonate based on certified renewable feedstock** – an engineering thermoplastic resin – is part of SABIC® TRUCIRCLE™ portfolio and services. By adopting second-generation renewable feedstock, which is not in competition with the human food chain, SABIC's LEXAN™ polycarbonate resin has the potential to reduce the carbon footprint of feedstock by up to 61% and reduce fossil depletion by up to 35%. This will fulfill industry sustainability needs. SABIC is the first in the industry to launch a polycarbonate based on certified renewable feedstock which can be used to produce lenses in several eyewear end applications, such as sunglasses, safety glasses and sports goggles. The performance of the product is identical to its fossil-based PC counterpart, meeting stringent optical and quality requirements. For the production process, there is no need to adjust the existing processing technology, including dyeing, coating, etc.
- **XENOY™ PC/PET compound** is a new recycled material, which is comprised of a **minimum of 10% recycled ocean bound PET blended with polycarbonate**. It can be recycled and converted into components for new consumer goods and electronics applications, such as TV remote controls and electronic razors. It also has the potential to be used in other industries in the future, such as the automotive industry. As part of SABIC'S TRUCIRCLE™ portfolio and services, XENOY™

PC/PET compound offers potentially significant reductions in carbon footprint by up to 7% and energy consumption by up to 11% compared to its virgin grade. It has good impact strength, processability and chemical resistance.

- **SABIC PP-UMS foam solutions for footwear application:** close collaboration with our partners in the value chain has enabled SABIC to build up a large bank of knowledge on foaming technologies and to develop a dedicated, diverse foam portfolio, applicable in almost all industrial applications. SABIC PP-UMS (Ultra Melt Strength) resin – a completely new generation of melt strength polypropylenes, has a melt strength >65 cN, enabling an unprecedented level of lightweighting. Meanwhile, this solution can be used for non-cross linked foam to meet the booming request for recyclability. Thus, it can typically be applied in the footwear industry.