

FACT SHEET

CHINAPLAS 2023, Shenzhen, China, April 17, 2023

HYGIENE AND HEALTHCARE

OVERVIEW

From developing countries to industrialized nations, COVID-19 has had a profound effect on how hygiene and healthcare are facilitated around the world, reshaping global demand with an increased focus on sustainability and resiliency. The chemical industry has played a vital role in the global fight against the pandemic, providing the high-quality materials and solutions required for manufacturing protective equipment, disinfectants and medical devices. Through their role, chemical companies have empowered a stronger and more resilient healthcare system from the upper levels of the supply chain.

One of the many changes brought by the pandemic is the way that consumers approach hygiene and healthcare. As a leader in materials and technology for the hygiene and healthcare industry, SABIC is supporting consumers to make these changes through innovative materials and processing expertise. As a part of this process, SABIC is committed to working closely with customers and helping them achieve success across a diverse range of applications by providing a broad portfolio of hygiene and healthcare materials – spanning full product lines, from PC resin to certified renewable polymers.

INDUSTRY LANDSCAPE

The transformation of the global healthcare landscape as an outcome of COVID-19 has presented the medical-device industry with opportunities to serve the changing needs of consumers while setting themselves for potential growth.

At the same time, China has one of the fastest-aging populations in the world. According to the WTO, the proportion of people over 60 years old in China is projected to reach 28% by 2040. This huge demographic shift presents many new challenges as well as opportunities for the healthcare industry.

Against this backdrop, materials for healthcare applications must be of high quality, high compatibility, and high sustainability if they are to meet the needs and standards of today's healthcare industry. Such requirements mean that materials providers must develop materials and solutions that are both eco-friendly and high-performance. SABIC's healthcare materials portfolio supports customers to meet stringent regulatory criteria and the ever-growing needs of today's consumers to help address the top challenges facing the healthcare industry.

SABIC SOLUTIONS FOR HYGIENE AND HEALTHCARE

- **LEXAN™ HP Series PC resin is for specific use in medical applications**, such as in drug-delivery devices, blood-dialysis filters, oxygenators and respiratory masks. These resins

combine well-known polycarbonate attributes such as transparency, colorability, impact resistance and ease of processability. Besides, they have significant features valued by the medical industry, such as sterilizability and pre-assessed biocompatibility, according to ISO 10993. SABIC provides a full LEXAN™ portfolio that can meet various processing requirements like extrusion, blow and injection molding. The low-shrinkage and low-moisture absorption allows for lightweight healthcare-related products with good dimension stability.

- **SABIC® ETP Pharmacopeia Grade Used in Vaccine-Delivery Devices**, to make them with simplified mechanism, light weight, safe to use, and compliant with stringent industry standards. SABIC HEALTHCARE LEXAN™ and CYCOLAC™ polymers enable thin-wall molding, enable safe-use operation, and meet biocompatibility requirements. These materials can be mechanically or chemically recycled standards and help drive sustainability goals.
- **SABIC PURECARES™ creates hygiene products by offering a broad portfolio of polymers for film and laminate applications.** Our material solutions for the personal-hygiene industry are aimed to support consumer wellbeing, comfort in compliance with hygiene regulations and meet the environmental and sustainability demands of today's society, either by addressing waste reduction through down gauging and light weighting, or designing resins contributing to circular solutions.