



FACT SHEET

CHINAPLAS 2021, Shenzhen, China, April 13, 2021

HEALTHCARE

OVERVIEW

COVID-19 is completely transforming the structure of global healthcare market. Meanwhile, the investment growth expectations triggered by the economic recovery and subsequent supportive policies have enabled the industry to pursue new areas of focus and opportunities.

As SABIC continues to innovate with new materials and processing expertise, it provides comprehensive material solutions to the Chinese market. This will provide support to customers as they adapt to changing requirements in the healthcare industry. SABIC's offering is set to enable an enhanced quality of modern living while supporting the global call for a healthier lifestyle.

INDUSTRY LANDSCAPE

In the post pandemic era, the demand for primary health care has exploded. Meanwhile, China's population aged above 60 is expected to exceed 20% in 2025. Population aging, per capita income growth and increasing medical insurance payment levels will continue to raise medical and health consumer demand. The medical device industry as a whole is expected to enter a stage of rapid growth.

To address sustainable economic growth, it is crucial to collaborate with value chain partners while providing eco-friendly and high-performance materials and advanced solutions in the medical device industry. This will help to create a competitive edge for meeting regulatory rules.

SABIC SOLUTIONS FOR 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 with 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 allow for lightweight healthcare related products with good dimension stability.

- **LEXAN™ 8040 and 8B45 film** are polycarbonate films which comply with FDA/NSF regulations and meet USP-VI criteria. They have been successfully applied to leading vaccine packaging manufacturers and are ideal for vaccine packaging. The novel coronavirus vaccine needs to be transported at low temperatures and stored long term in an ultra-low temperature refrigerator, which requires packaging materials to be stored at a low temperature of -70°C for 6 months whilst maintaining mechanical integrity. Our products provide an excellent solution with a brittleness temperature of -135°C and withstanding up to 250 – 400 folds. Meanwhile, these materials can be easily processed using traditional molding and die-cutting equipment with cold bending and thermoforming flexibility. It is designed to provide potentially low systems costs and satisfy the needs of customized design & aesthetics.
- **LEXAN™ CLINIWALL™** sheet is a **new thermoplastics material solution** for clean room surfaces and interior wall cladding applications in public facilities and hospitals. This opaque, low-gloss LEXAN base resin solid sheet has excellent impact resistance and abrasion resistance. It is a long-awaited solution for customers that satisfies both the demand for hygienic building materials and reduced maintenance costs, which subsequently reduces operating costs overall. Relying on bromine and chlorine free flame retardancy technology, LEXAN™ CLINIWALL™ sheet possesses excellent smoke performance (B s1 d0) compared with existing materials, such as high-pressure laminate, ceramics, steel or PVC board. LEXAN™ CLINIWALL™ sheet provides excellent mechanical and thermal properties, high impact strength and the material is extremely scratch resistance. It is also recyclable and easy to clean and has excellent hygiene advantages.