

News Release

Chinaplas 2023: BASF demonstrates the sustainable performance of cold-curing PU solution with LCA study by Intertek

- **Life-cycle Assessment by Intertek: The cold-curing technology used in making shoe part with Elastopan® PU is 89% more energy efficient**
- **BASF at Chinaplas 2023: Hall 17; Booth no. 17F71, Shenzhen World Exhibition & Convention Center, China**

Shenzhen, China – February 28, 2022 – At Chinaplas 2023, BASF will showcase a shoe part made with Elastopan® polyurethane (PU) using cold-curing technology. According to a Life-Cycle Assessment (LCA) study of the shoe part by Intertek, the cold-curing technology significantly reduced greenhouse gas emissions, water consumption, and energy consumption during production.

“As compared to thermal-curing, the cold-curing technology was 89% more energy efficient as it does not require heat for the foaming process. Water consumption during the production process was 81% less than thermal curing. Greenhouse gas emissions were also down by 76%,” said Yunlong Ma, General Manager, Green Initiatives Department, Intertek.

The cold-curing technology does not require the use of release agents. It also enables production at room temperature. As the heating process is eliminated, the production process is also simplified.

“With the LCA study, BASF is demonstrating that applications made with its Elastopan cold-curing solution is making a difference in contributing to a more sustainable future,” said Andy Postlethwaite, Senior Vice President, Performance

Materials Asia Pacific, BASF. “It is also part of BASF’s continuous efforts to excite footwear customers with innovative solutions that give them a clean win in the market race for more sustainable footwear.”

BASF’s PU solution based on cold-curing technology has already been used in shoe parts by leading footwear manufacturers.

Details of the LCA study and Elastopan cold-curing technology will be provided during a tech talk at Chinaplas 2023 on 18 April.

For updates on BASF at Chinaplas 2023, click [here](#). For the latest information on BASF at Chinaplas 2023, follow our BASF PM WeChat Channel.



About Intertek

Intertek, a leading Total Quality Assurance provider to industries worldwide. We go beyond testing, inspecting and certifying products. Through our global network of state-of-the-art facilities and industry-leading technical expertise we provide innovative and bespoke Assurance, Testing, Inspection and Certification services to customers. We provide a systemic approach to supporting our customers’ Quality Assurance efforts in each of the areas of their operations including R&D, raw materials sourcing, components suppliers, manufacturing, transportation, distribution and retail channels, and consumer management.

Intertek is an industry leader with more than 44,000 employees in 1,000 locations in over 100 countries. We deliver Total Quality Assurance expertise 24 hours a day, 7 days a week with our industry-winning processes and customer-centric culture. Whether your business is local or global, we can help to ensure that your products meet quality, health, environmental, safety, and social accountability standards for virtually any market around the world. We hold extensive global accreditations, recognitions, and agreements, and our knowledge of and expertise in overcoming regulatory, market, and supply chain hurdles is unrivalled.

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. More than 111,000 employees in the BASF Group

contribute to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio comprises six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of €87.3 billion in 2022. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the United States. Further information at www.basf.com.