

# News Release

May 16, 2019

## **CHINAPLAS 2019: Ultra-thin films with high performance made possible with BASF's Ultrason®**

- **Ultra-thin films made of Ultrason® provide excellent electrical and mechanical properties over a wide temperature range from -40 °C to 200 °C**
- **BASF at CHINAPLAS 2019: Booth no. 11.2A41, China Import & Export Fair Complex, Guangzhou, China, May 21-24**

Guangzhou, China – May 16, 2019 – Films can now be made as thin as 5 microns without compromising performance and strength, thanks to polyarylsulfone Ultrason® from BASF. At Chinaplas 2019, BASF will present a new application made from Ultrason – ultra-thin film, which can be used as a protective layer and electrical insulation for the automotive, and electrics and electronics (E&E) industries. The films, with thicknesses ranging from 15 to 5 microns, have been recently developed by Okura Industrial, a Japanese film manufacturer.

Due to the amorphous nature of Ultrason, the transparent films offer constant electrical and mechanical properties over a wide temperature range from -40 °C to 200 °C. Other features include chemical and hydrolysis resistance, inherent flame retardancy, high dimensional stability, and easy metallization. With these properties, the ultra-thin films can be used in capacitors for the automotive or other electrical components, diaphragms in speakers or as display and bar code labels in harsh environments.

Kazuhiro Kida, Business Development Manager of Ultrason at BASF in Japan, said, "We're honored to join hands with our customer Okura Industrial to unleash the

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potential of Ultrason in the film industry. In particular, the films made from Ultrason are as thin as 5 microns and have excellent mechanical properties and consistent high quality. This successful cooperation enables our customers to further position its high-value applications in new markets.”

At its Chinaplas booth, BASF will also display a wide variety of applications made from Ultrason in various industries including the aerospace and automotive industries and household appliances.

Ultrason is the trade name for BASF’s product range of polyethersulfone (Ultrason E), polysulfone (Ultrason S) and polyphenylsulfone (Ultrason P). The high-performance material is used to manufacture lightweight components in the electronics, automotive and aerospace industries, as well as in water-filtration membranes and in parts that come into contact with hot water and food. Because of their extraordinary properties, the Ultrason brands can substitute thermosets, metals and ceramics.

For more information on BASF’s exhibits at Chinaplas, please visit <https://chinaplas-basf.com> and [www.ultrason.basf.com](http://www.ultrason.basf.com).

#### **About BASF’s Performance Materials division**

BASF’s Performance Materials division encompasses the entire materials know-how of BASF regarding innovative, customized plastics under one roof. Globally active in four major industry sectors – transportation, construction, industrial applications and consumer goods – the division has a strong portfolio of products and services combined with a deep understanding of application-oriented system solutions. Key drivers of profitability and growth are our close collaboration with customers and a clear focus on solutions. Strong capabilities in R&D provide the basis to develop innovative products and applications. In 2018, the Performance Materials division achieved global sales of €7.65 bn. More information online: [www.plastics.basf.com](http://www.plastics.basf.com).

#### **About BASF**

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. The approximately 122,000 employees in the BASF Group work on contributing to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio is organized into six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of around €63 billion in 2018. BASF shares are traded on the stock exchange in

Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the U.S. Further information at [www.basf.com](http://www.basf.com).