We create chemistry

News Release

P238/22e
June 8, 2022

New Licity® grade with improved properties optimized for anodes with a silicon content exceeding 20%

- **Anode binder Licity® 2698 X F enables higher capacity, increased number of charge/discharge cycles and reduced charging times**
- **Second-generation styrene-butadiene rubber (SBR) binder with excellent stress-strain properties and elasticity**
- **Highly suitable for SiOx and Si-rich anodes**

BASF has extended its series of Licity® anode binders for Li-ion battery manufacturing. The second-generation styrene-butadiene rubber (SBR) binder Licity® 2698 X F facilitates the use of silicon contents exceeding 20%. In addition to the established properties of the Licity® product family, this binder enables higher capacity, increased number of charge/discharge cycles and reduced charging times.

Additionally, Licity® 2698 X F can be manufactured according to the biomass balance approach. In this approach, biomass is fed into BASF's production process and allocated to the binder. BASF is committed to aligning economic goals with environmental and social responsibility, from the raw materials used for Licity® binders up to their delivery.

"The transformation of the market from combustion engines to battery electric vehicles is becoming more tangible. Hurdles such as low range and long charging times can be overcome by using our new binder Licity® 2698 X F," explains Thorsten

Media Relations Europe
Marie Schütz
Phone: +49 151 72135427
marie.schuetz@basf.com

BASF SE
67056 Ludwigshafen
www.basf.com
presse.kontakt@basf.com

Habeck, Business Director Fiber Bonding Dispersions & Resins EMEA at BASF.

About Licity®

Licity® binders are designed to overcome the limits of lithium-ion batteries. They are waterborne binders with high colloidal stability that are very compatible with co-binders like CMC. Licity® binders are characterized by excellent processability and superior coating behavior. Furthermore, they have outstanding mechanical and electrochemical properties.

More information about the Licity® binders can be found here: www.basf.com/licity-battery-binders

BASF's Dispersions & Resins division

The Dispersions & Resins division of BASF develops, produces and markets a range of high-quality polymer dispersions, resins, additives and electronic materials worldwide. These raw materials are used in formulations for a number of industries, including coatings, construction, adhesives, printing and packaging, electronics and paper. With its comprehensive product portfolio and its extensive knowledge of the industry, the Dispersions & Resins division offers its customers innovative and sustainable solutions and helps them advance their formulations. For further information about the Dispersions & Resins division, please visit www.dispersions-resins.basf.com.

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. Around 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 €78.6 billion in 2021. 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.