

News Release

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Fratelli Guzzini selects sustainable Styrenics Solution from INEOS Styrolution based on biomass balanced styrene from BASF

- **New Guzzini drinkware made from INEOS Styrolution's sustainable ECO materials**
- **BASF to supply biomass balanced styrene as plastic feedstock**
- **Completely certified production process**

Ludwigshafen, Frankfurt, June 1, 2022. Fratelli Guzzini has today announced it has selected a range of INEOS Styrolution's sustainable NAS® ECO as materials of choice for its new range of drinkware solutions. NAS ECO is a styrene methyl methacrylate (SMMA) material, which is the result of a cooperation between INEOS Styrolution and BASF. It is built on BASF's production of styrene monomer derived from renewable feedstock based on a mass balance process. INEOS Styrolution uses the material as feedstock in its production of new sustainable styrenics solutions. First customer in tableware and household appliances to benefit from the new solutions is Fratelli Guzzini, a world leading company in this sector.

Domenico Guzzini, President at Fratelli Guzzini, comments: "We are pleased to respond to the growing demand from our customers to deliver solutions with a significantly reduced impact on the environment".

NAS ECO with significantly reduced CO₂ footprint

BASF's biomass balance (BMB) based styrene is used by INEOS Styrolution in the production of bio-attributed styrenic specialties, mainly transparent styrenics such as the company's NAS® family of SMMA and the Luran® family of SAN (styrene

acrylonitrile copolymer) products. The end-to-end mass balanced based production of the new solution portfolio is certified by ISCC during BASF's and INEOS Styrolution's processes.

Mark Beitz, Head of Sustainability, R&D and Regulatory at INEOS Styrolution comments: "The joint approach with BASF allows us to offer our customers solutions with a significantly reduced CO₂ footprint that help them to deliver sustainable solutions to end users."

Biomass balanced styrene

To produce BMB styrene, BASF replaces fossil resources like naphtha or natural gas by renewable feedstocks derived from organic waste or vegetable oils. It is one way to produce styrene via a mass balance approach. Mass balance is a chain of custody model that keeps track of the total amount of (e.g., circular or other alternative) feedstock throughout the production process and ensures a proper allocation to the finished goods.

Raw material and plastic producers like Ineos Styrolution and BASF can thus offer products with a better environmental profile but the same properties as those manufactured from fossil feedstock. The allocation process via the mass balance approach as well as the products are certified by independent auditors. Read more about BASF's Biomass Balance [Biomass balance approach \(basf.com\)](https://www.basf.com/press-center/press-releases/2021/01/2021-01-20-biomass-balance-approach).

"Using BMB feedstocks instead of virgin fossil resources contributes directly to an improved CO₂ footprint of subsequent products," says Klaus Ries, Vice President for BASF's Styrenics Business Europe. "Next to raw materials based on chemically recycled feedstock, BMB is the second strong pillar for us when it comes to using alternative raw materials and contributing to the replacement of fossil resources. It is of utmost importance for us to cooperate along the whole styrenics value chain."

About Guzzini

Guzzini, Creative Italian manufacturing, was established in 1912, based on the handcrafting of ox horn items, and has been a leading manufacturer of plastic designer items for the home for more than a hundred years. The top names in international design have chosen to work with Guzzini, appreciating its amazing ability to combine style and function. The Guzzini company history reveals impressive credentials in the areas of ethics, social responsibility and innovation so in 2019 it is launching the CIRCLE programme, to transition from the "material-production-use-waste" production chain to the circular "recovery-recycling-production-reuse-recovery" system. Circle comprises

products made from eco-sustainable materials, with improved functional performances. Research into design and function, the trialling of constantly new materials, skilfully combined, the respect for the environment and the courage to be constantly innovative, make Guzzini one of the symbols of fine Italian manufacturing worldwide.

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About INEOS Styrolution

INEOS Styrolution is the leading global styrenics supplier, with a focus on styrene monomer, polystyrene, ABS Standard and styrenic specialties. With world-class production facilities and more than 90 years of experience, INEOS Styrolution helps its customers succeed by offering solutions, designed to give them a competitive edge in their markets. At the same time, these innovative and sustainable best-in-class solutions help make the circular economy for styrenics a reality. The company provides styrenic applications for many everyday products across a broad range of industries, including automotive, electronics, household, construction, healthcare, packaging and toys/sports/leisure. In 2021, sales were at 6 billion euros. INEOS Styrolution employs approximately 3,600 people and operates 20 production sites in ten countries.

More information: www.ineos-styrolution.com

Follow us on Twitter (@styrolution).

Visit us at K fair in Düsseldorf, October 19-26, 2022: hall 6 / booth 6D28.

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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.

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