

News Release



Conserving resources with EPS food packaging

- **Styropor produced from renewable resources for the first time on the market**
- **BASF's biomass balance approach for conserving fossil resources continues to establish itself**

BASF's customer Schaumaplast GmbH & Co.KG, an internationally active manufacturer of molded parts made from particle foams, is now offering packaging made from biomass-balanced Styropor®. The Styropor MB used is the first EPS (expandable polystyrene) on the market to be produced using BASF's biomass balance approach. Following special balancing, the TÜV SÜD-certified method can be used to replace the fossil resources needed to manufacture Styropor entirely with renewable resources right at the start of the production process. Each biomass balance product thus helps to conserve fossil resources and reduce greenhouse gas emissions. The formulation and quality of Styropor MB is unchanged compared to its fossil counterpart.

"At BASF we look at products across their full life cycle. Sustainably produced raw materials therefore play a major role for us. Styropor packaging also offers the advantage that it is 98 per cent air and fully recyclable – consumers can simply dispose of it in their yellow bag or recycling bin," says Dr. Klaus Ries, Vice President Global Business Management Styrenic Foams at BASF.

Packaging manufacturers and end users benefit

"We are proud to be the first packaging manufacturer to launch a

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product made from biomass-balanced Styropor® from BASF on the market. It is an innovation that scores points for its environmental impact without losing the foam's tried-and-tested technical properties," explains Bernhard Hauck, managing director at Schaumaplast in Reilingen (www.schaumaplast.com).

Schaumaplast is thus able to meet the high sustainability requirements of its customer: The young start-up company IceGuerilla.de GmbH & Co. KG sends ice cream right across Germany fresh and with excellent thermal insulation in Styropor packaging. "Our quality ice cream is now delivered in high-quality packaging that is not only very good at keeping the product cool, but also helps the environment and climate by using renewable raw materials," adds Ralf Schulze, co-founder and managing director of IceGuerilla.de in Beeskow (www.iceguerilla.de).

BASF now also offers other EPS grades as part of the biomass balance concept. These include other Styropor brands, but also some of the gray EPS versions from the Neopor® range for insulation applications.

The biomass balance method

In a similar way to feeding green electricity into the power grid, the biomass balance concept incorporates renewable resources in the existing Production Verbund. The method permits biomass – for example in the form of biogas or bio-naphtha from certified sustainable production – to be used instead of fossil resources right at the start of the value chain and later to be allocated to the respective sales products in a defined way. This does not result in any change to the formulation and quality of the product. TÜV SÜD has now issued certificates for BASF products such as superabsorbers, engineering plastics, dispersions and a number of intermediates (www.basf.com/biomassbalance).

Certification

BASF's biomass balance method has been developed together with TÜV SÜD and certified for the BASF production sites in

Ludwigshafen, Antwerp and Schwarzheide. Schaumaplast also carries a TÜV SÜD certificate for the use of Styropor® MB: This means that the company pledges to have the entire supply chain reviewed against high quality standards through to the end product on an annual basis. Suppliers and end customers can thus be certain of the origin of the raw materials and the sustainability of the concept. TÜV SÜD Industrie Service GmbH is renowned for its many years of experience in the fields of energy and sustainability certification (www.tuev-sued.de).

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. The approximately 114,000 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 five segments: Chemicals, Performance Products, Functional Materials & Solutions, Agricultural Solutions and Oil & Gas. BASF generated sales of about €58 billion in 2016. BASF shares are traded on the stock exchanges in Frankfurt (BAS), London (BFA) and Zurich (BAS). Further information at www.basf.com.

About Schaumaplast

The Schaumaplast Group manufactures parts made of EPS (airpop, styropor), EPP, and other innovative particle foams like E-TPU in Germany, Poland, and the United States. Schaumaplast was founded in 1964 and now has over 200 employees at five own production sites. There are three new sites in the United States as well, as Schaumaplast acquired a participating interest in the US-based manufacturer Plymouth Foam in 2016. A special business unit within Schaumaplast deals with refrigerated packaging: customized packaging solutions for the pharmaceutical and food industry are designed, thermally calculated, and thoroughly tested in climatic chambers. More information: <https://schaumaplast.com/produkte/cold-chain/>

About IceGuerilla

IceGuerilla is an award-winning ice cream manufacturer located in Beeskow, Brandenburg (Germany). Currently, the production is being extended to be able to employ up to 35 people and to achieve a capacity of about 4.5 tonnes of ice cream per day in 2018. In 2012, IceGuerilla won the award for “best German vanilla ice cream”, and in November 2017, the company received the Future Prize of the State of Brandenburg. In addition to the online shop, the ice cream can be bought in 3

stores under the name of IceGuerilla within its own franchise concept.

www.iceguerilla.de