

## PRESS RELEASE



Terluran GP35 samples at Arburg Anniversary Days 2023

(Photo courtesy of ARBURG)

Frankfurt, March 10, 2023

### INEOS STYROLUTION COLLABORATES SUCCESSFULLY WITH ARBURG ON SUSTAINABLE SOLUTIONS

**INEOS Styrolution, the global leader in styrenics, has announced today that they are working together with Arburg, a leading global manufacturer of plastic processing machines, to combine innovative sustainable injection moulding machines with the world's broadest sustainable styrenics polymer portfolio. Demonstrations will be done at Arburg's Anniversary Days 2023 (March 8-11 in Lossburg) and at FAKUMA 2023 (October, 17-21 in Friedrichshafen).**

- First sustainable INEOS Styrolution's ECO grades successfully tested by Arburg on their latest generation of injection moulding machines include Terluran® ECO as well as NAS® ECO.

### **Arburg's new anniversary machine ALLROUNDER 470 H**

Two hybrid Allrounder 470 H machines set the stage for new machine technology at the first anniversary event in February 2023. The machines in the "Comfort" and "Premium" performance variants are particularly energy-saving, resource- and production-efficient, user-friendly and reliable! Compared to a hydraulic machine, the new Allrounder 470 H boasts an energy footprint that is up to 50% better and can save up to 12,000 kg of CO<sub>2</sub> per year. The hybrid machine incorporates many technical innovations that are only available from Arburg. A new oil management concept, for example, reduces the oil requirement by around 35%. Flow rate splitting enables simultaneous movements of hydraulic auxiliary axes. The dry cycle time is also reduced by about one third. The Arburg servo-hydraulic system (ASH) permits particularly energy-efficient and low-emission operation.

### **INEOS Styrolution's styrenics ECO portfolio**

The company's [ECO portfolio](#) ranges from Styrolution® PS ECO across a range of ABS<sup>1</sup>, ASA<sup>2</sup>, SAN<sup>3</sup> and SMMA<sup>4</sup> grades to SBC<sup>5</sup> ECO solutions.

The Terluran ECO sustainable product portfolio includes both mechanically-recycled and bio-attributed alternatives to conventional ABS. Mechanically-recycled grades contain up to 70% post-consumer recycled content. The bio-attributed grades (ISCC-certified) range all the way to a complete bio-attributed solution (Terluran ECO B100) with bio-attributed content from all three monomers (styrene monomer, butadiene and acrylonitrile), which leads to a negative product carbon footprint for the B100 version.

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<sup>1</sup> ABS: acrylonitrile butadiene styrene

<sup>2</sup> ASA: acrylonitrile styrene acrylate

<sup>3</sup> SAN: styrene acrylonitrile copolymer

<sup>4</sup> SMMA: styrene methyl methacrylate

<sup>5</sup> SBC: styrene butadiene copolymers

NAS ECO is an ISCC-certified bio-attributed SMMA material, popular for its excellent transparency, an extremely low haze and good thermal and chemical resistance. The material provides a carbon footprint reduction of up to 99%. Like its conventional equivalent NAS, it is also suitable for food packaging solutions.

Most importantly, all ECO products perform on the same level as their respective conventional counterparts.

Christian Homp, Team Manager Applications at Arburg, says: “The combination of our injection moulding machines with INEOS Styrolution’s ECO material must be a convincing argument for all customers who want to improve their CO<sub>2</sub> footprint.”

Christian Dietlein, Technical Account Manager at INEOS Styrolution, adds: “First of all, we wish Arburg all the best on their 100<sup>th</sup> birthday! We are excited to work with a company that has similar strong objectives related to sustainability as INEOS Styrolution.”

## **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 3,100 people and operates 16 production sites in nine countries.

More information: [www.ineos-styrolution.com](http://www.ineos-styrolution.com)

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