

Presentation: Styrenics materials for a circular economy

Speaker: Sven Riechers, VP, Business Management, Standard Products, EMEA



Abstract:

Styrenics polymers are all around us. They are the material of choice in a wide range of industries including automotive, healthcare, household, electronics, construction, packaging and toys/ sports/ leisure.

Styrenics based materials contribute to societal well-being. They help reducing the weight of cars resulting in reduced fuel consumption. They help to insulate our homes resulting in less energy consumption. They are widely used to protect food and help to reduce the amount of food being wasted. Styrenics based materials also contribute to a broad range of solutions in the healthcare industry, a fact that became of specific importance during the COVID-19 pandemic.

On the other hand, styrenics polymers are part of the challenge we face with increased plastics waste and related pollution.

INEOS Styrolution is committed to a fundamental shift to a circular economy for styrenics based materials and develops respective innovations. The company has brought mechanically recycled ABS to market, which excels at providing the same physical parameters as the virgin material and actively progresses advanced recycling solutions together with a range of technology partners. The company also introduced bio-attributed solutions taking advantage of renewable feedstock.

In this presentation, an overview is given about existing current solutions, ongoing research as well as plans to move from lab-scale solutions to commercialized solutions.