SCS NEWS

October 2020

FEATURES

• SCS demonstrates mechanically recycled polystyrene is suitable for food contact

• Interviews with SCS in Packaging Europe and Clean Tech

• SCS members’ achievements, including 100% recycled polystyrene yoghurt pots

• Advanced plans from members for a polystyrene recycling plant in France and the US

• Progress with polystyrene recycling technologies and optimisation for large scale use

• Member participation in EPS-SURE and REQUALIPSO initiatives

• Life cycle assessment of recycled polystyrene predicts halved greenhouse gas emissions
An update on the SCS mission to fulfill the intrinsic circularity of polystyrene

Dear reader,

We are delighted to bring you the latest edition of the Styrenics Circular Solutions (SCS) newsletter, keeping you up-to-date with the activities of SCS in our drive to fulfil the unique circularity of styrenics, even to food contact.

You will see this edition is full of our initiatives and projects, as well as articles, videos and news items, as well as from our member companies.

We also take the opportunity to warmly invite you to our online event at 10.30am CET on Thursday 26 November 2020. ‘True circularity. Food contact. Powered by styrenics. Advances in the closed loop recycling of polystyrene’ will be a moderated event with interactive dialogue, presentations and Q&A. Topics will include:

• Advances in food contact recycling of polystyrene via mechanical recycling and depolymerisation
• Update on Life Cycle Analysis for recycled polystyrene
• The Converter’s perspective on the processability of recycled polystyrene

Please register here. We look forward to welcoming you on 26 November!

Kind regards,

The Styrenics Circular Solutions team
01

SCS demonstrates mechanically recycled polystyrene is suitable for food contact

In collaboration with Gneuss and Fraunhofer IVV, SCS has performed successful SCS ‘challenge tests’ of mechanical recycling technology for polystyrene, confirming the high cleaning efficiency of the recycling technology. The results enable SCS to apply for food contact approval.

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SCS interview in Packaging Europe: Unlocking the value of polystyrene

SCS Secretary-General Jens Kathmann was interviewed by Victoria Hattersley of Packaging Europe regarding the industry’s drive to achieve full circularity, even to food contact standards, a mission that includes the entire value chain.

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SCS welcomes new member Intraplás

Food packaging specialist Intraplás joins the SCS team as part of our drive to work together all along the value chain to fulfil the unique circularity capacity of polystyrene.

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‘Polystyrene is ideally suited for depolymerisation’ - SCS interviewed by Clean Tech

SCS’ Chrissi Schönfelder, Chair Advocacy & Communications, was interviewed about the ideal suitability of polystyrene for the depolymerisation technology that allows styrenics to be recycled and repolymerized to produce recycled styrenic plastics with the same quality as the virgin material, thus meeting food contact standards.

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Greiner Packaging produces 100% recycled PS yoghurt cups

Initial trials carried out in Switzerland demonstrate that SCS member Greiner Packaging is already capable of producing yogurt cups from 100 percent recycled material. These very promising test results demonstrate polystyrene’s outstanding capacity for circularity.

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INEOS Styrolution and Trinseo advance plans for first European polystyrene recycling plant in France

SCS members INEOS Styrolution and Trinseo are advancing plans to build the first-of-its-kind polystyrene recycling plant based on depolymerisation in Wingles, France.

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INEOS Styrolution announces joint recycling facility with AmSty

SCS member INEOS Styrolution, together with AmSty, announces plans to construct a joint chemical recycling facility in Channahon, Illinois, using Agilyx technology.

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COEXPAN and Trinseo collaborate to validate polystyrene recycling technologies

SCS members collaborate to validate various polystyrene recycling technologies to develop polystyrene containing recycled content that is fit for use in the global dairy industry’s form fill seal (FFS) market.

Trinseo and Fernholz commercialise recycled polystyrene for food packaging

SCS member Trinseo have developed a new grade of post-consumer recycled polystyrene, together with the German packaging manufacturer Fernholz. The latest Form Fill Seal (FFS) formulations incorporate 40% r-PS, depending on final application.

Life cycle assessment of recycled polystyrene from INEOS Styrolution predicts halved greenhouse gas emissions

INEOS announces first results of a life cycle assessment (LCA) analysis for depolymerised styrene according to ISO 14040 and ISO 14044 standards. The results confirm polystyrene to be a valuable polymer contributing to the circular economy.
Versalis to produce new solid polystyrene products made from 75% recycled packaging

SCS member Versalis (Eni) and Forever Plast SpA, a leading Italian company in the recovery and recycling of post-consumer plastic at European level, have signed an agreement to develop and market a new range of solid polystyrene products made from recycled packaging.

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INEOS Styrolution and Trinseo sign a JDA with AmSty to advance polystyrene chemical recycling technologies

SCS members INEOS Styrolution and Trinseo sign a JDA with AmSty to jointly advance chemical recycling technologies and optimise them for large scale use. The JDA intends to accelerate the circularity for one of the most recyclable polymers, polystyrene. It targets advancements in all technical aspects to enable scaled investment in commercial recycling solutions.

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EPS-SURE project, including COEXPAN, proves viability of recycling EPS

EPS-SURE project focuses on a system for the collection, pre-treatment, and recycling of Expanded Polystyrene (EPS) waste from fish boxes for its subsequent use as raw material in new PS packaging suitable for food contact. The project has demonstrated the excellent recyclability of EPS fish boxes into recycled #polystyrene for food contact applications. Results prove excellent virgin-like processability of rPS in extrusion and form-fill-seal with favourable environmental footprint.

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COEXPAN participates in the French RECYQUALIPSO initiative

SCS member COEXPAN is participating in the RECYQUALIPSO project led by Syndifrais (French Union of Fresh Dairy Product Manufacturers) in collaboration with Valorplast (experts in the recycling of household plastic packing). RECYQUALIPSO aims to contribute to the development of PS recycling in France by optimising the quality of the recycled material of yoghurt pots for new food contact applications.

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SCS members INEOS Styrolution and Trinseo join with Agilyx and AmSty as technology partners

Four of the leading players in polystyrene production and recycling have initiated a Non-Disclosure Agreement to explore and optimize advanced recycling technologies for polystyrene, such as depolymerization.

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ELIX Polymers present their focus on the circular economy and more sustainable products

SCS member ELIX Polymers discuss transformation of the styrenics value chain towards a circular economy model, as described by their CEO David Castañeda.

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