

Plastic Waste as a Valuable Resource – SÜDPACK Invests in Joint Project with RECENSO

SÜDPACK advocates the establishment of chemical recycling as a complementary technology to mechanical recycling, which has not been suitable for processing the complex laminated films of the packaging industry. Collaboration with RECENSO, a specialist in the implementation of systems for resource recovery, marks an initial pioneering step by the leading film manufacturer towards an efficient circular economy in the market.

Maximum product protection, which means maximum consumer protection, makes the use of laminated films essential. These films are composed of multiple layers of different polymers and ensure, among other things, a long shelf life and low packaging weight. Unfortunately, traditional mechanical recycling has its limitations in dealing with these materials. As a result, this valuable packaging cannot be made part of a closed loop.

The engineers of RECENSO have developed a process that also makes it possible to convert mixed plastic fractions into a liquid and universally usable hydrocarbon mixture, which can then be reused by the chemical industry as raw material for producing plastics of the highest quality. The innovative plants for direct oiling work according to the CARBOLIQ process and are unique in the world. An industrial-scale pilot plant was created at the waste management center in Ennigerloh. “The design complies with international standards for industrial applications and is used for the testing and further development of chemical recycling in Germany,” explained Christian Haupts, Managing Partner of RECENSO GmbH in Remscheid.

The collaboration that was recently concluded between the two leaders in technology, SÜDPACK and RECENSO, now aims to convert production-related reusable materials into high-quality pyrolysis oil on an industrial scale. The produced pyrolysis oil will be supplied to the plastics industry as raw material for producing high-quality granules of virgin-grade quality. The goal is to use this material for producing product packaging in industries with high quality and hygiene standards, such as the food and medical product industries.

lastic products made from chemically recycled material can be recycled again after use. The more often chemical recycling is performed (with material that has already been chemically recycled), the more CO₂ is saved that would have otherwise been produced in the refining of crude oil as a resource and the incineration of the plastics after use. Last but not least, chemical recycling makes a particular contribution to closing loops and reducing greenhouse gases in the packaging industry.

About RECENSO

RECENSO GmbH is a specialist in the design and implementation of systems for resource recovery with its headquarters in Remscheid. The company provides advanced recycling solutions, thus creating the conditions for an efficient circular economy and the intelligent use of secondary raw materials. Their portfolio includes machinery and systems for both physical (mechanical) and chemical recycling based on the CARBOLIQ process.

www.recenso.eu

www.carboliq.com

About SÜDPACK

SÜDPACK is a leading manufacturer of high-tech films and packaging materials for the food, non-food, and medical product industries. Our solutions ensure maximum product protection as well as additional pioneering features with minimum material input.

The family business, which was founded by Alfred Remmele in 1964, is headquartered in Ochsenhausen. Production sites in Germany, France, Poland, Switzerland and the USA are equipped with the latest plant technology and manufacture to the highest standards, including the capacity to operate under clean room conditions. The worldwide sales and service network ensures a high degree of proximity to the customer and comprehensive application technology support in more than 70 countries.

With its state-of-the-art development and application center at its headquarters in Ochsenhausen, the innovation-oriented company offers its customers an optimal platform for carrying out application tests and for developing individual and custom solutions.

SÜDPACK is committed to sustainable development and fulfils its responsibility as an employer and towards society, the environment, and its customers by developing packaging solutions that are unparalleled in their efficiency and sustainability.

www.suedpack.com

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