



Press release

Compounding at K 2022 – our contribution to an effective circular economy

At K 2022, the leading business platform for the plastics and rubber industries, SÜDPACK and Coperion will be sending a strong message this year when it comes to a circular economy. From 19 to 26 October at the Coperion stand CE 09 in the Circular Economy Forum, the two companies will be presenting an exemplary technical application for special compounds based on PIR recyclates, which SÜDPACK produces using the ZSK twin screw extruder from Coperion.

One of SÜDPACK's key objectives is to close recyclable material loops in the packaging industry. The film manufacturer is focusing in particular on the recovery of recyclable materials with mechanical and chemical recycling as well as on the production of compounds based on PIR recyclates for a wide variety of applications. These compounds can be developed using both conventional and bio-based raw materials and used for injection molding, extrusion and filament and – thanks to SÜDPACK's unparalleled expertise – even for solutions that are technically demanding. They can be optimally adapted to meet the specific needs of customers, for example in terms of their mechanical properties, resistance to chemicals or antistatic properties.

Compounds – versatile reusable materials that deliver real added value

The SÜDPACK compounds are certified according to the criteria of the "International Sustainability and Carbon Certification System" (ISCC Plus) – an independent international certification system that is used to ensure the exact and full traceability of the materials used for the compounds along the entire value and supply chain. Compounds are impressive when it comes to sustainability as well because they conserve resources and reduce waste. Above all, they are characterized by their small carbon footprint.



Production of valuable compounds on a twin screw extruder

The compounds are produced on a ZSK 45 Mc¹⁸ twin screw extruder made by Coperion. The extruder is equipped with gravimetric twin screw and single screw feeders made by Coperion K-Tron. They are known for their very high reliability and precision when feeding the compacted and agglomerated film waste into the twin screw extruder.

The twin screw extruders in the ZSK Mc¹⁸ model range handle products very carefully – while simultaneously impressing with their high specific torque of 18 Nm/cm³. Thanks to the very short residence time of the product in the twin screw extruder, they achieve tremendous throughput rates with a reduced compound temperature and a consistently high level of product quality.

The compounds ...

... can be used for injection molded housing components in the household appliances sector. For example, for the cordless vacuums and new Kobold VK7 modular cleaning system from Vorwerk, which will be on display at the Coperion stand. The family-run business has not only been committed to the quality and durability of its products from the very beginning, but now increasingly to sustainability as well. They are working resolutely on replacing conventional components with ecological alternatives and on constantly increasing the amount of recyclate used in their products. The new Kobold VK7 is an excellent example.

In addition to showcasing the products, the project partners Coperion, SÜDPACK and Vorwerk will be presenting their joint solution during a talk as part of the Circular Economy Forum. The talk is planned for 3:30 pm on 24 October.

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. The production sites in Germany, France, Poland, Switzerland, the Netherlands 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 global 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 tailor-made solutions.

SÜDPACK is committed to sustainable development and fulfills its responsibility as an employer and towards society, the environment, and its customers by developing packaging solutions that are highly efficient and sustainable.

www.suedpack.com

About Coperion

Coperion (www.coperion.com) is a global industry and technology leader in compounding and extrusion systems, feeding systems, bulk material handling and service. Coperion develops, produces and maintains lines, machines and components in the plastics, chemical, food, pharmaceutical and mineral industries. Coperion employs 2,500 people worldwide in its two divisions, polymers and strategic market/aftermarket sales and service, and in 30 sales and service organizations.

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