

For immediate release

The World's Lightest Heat-Sealable Packaging Paper: Koehler NexPlus® Seal Pure Weighs In at Just 36 gsm

- Excellent sealing properties and strength combined with low grammage
- Conserves resources through reduced material thickness and recyclability
- Flexible packaging paper makes further processing on common packaging machines easy

Oberkirch, Germany, 03/18/2024—Koehler Paper, a Koehler Group company, has launched the world's lightest heat-sealable flexible packaging paper—Koehler NexPlus® Seal Pure 36 gsm. Despite its low grammage, Koehler NexPlus® Seal Pure 36 gsm has high strength and is ideal for further processing on commercially available packaging machines for horizontal packaging formats, such as flow packs and wrapping paper. The paper's outstanding surface makes it suitable for flexographic, digital, and gravure printing.

“Koehler NexPlus® Seal Pure 36 gsm” is the ideal basis for primary or secondary packaging for food and non-food products

The low grammage of Koehler NexPlus® Seal Pure 36 gsm helps to reduce the use of materials in its production, saving valuable resources without having to compromise on essential properties for packaging paper. "The biggest challenge with production was the speed, as it was crucial that the paper remained stable at this speed, not only on our paper and coating machines but also on our customers' packaging machines. Through a combination of our cutting-edge production line 8 in Kehl and our colleagues' expertise in the Flexible Packaging Paper division, we were able to bring this paper onto the market," explains Joachim Uhl, Koehler Paper Mill Director at Kehl. Its low opacity means that the paper is already being used to package brochures for mailing. "You can see what's inside the packaging or scan a QR code through it. This is what makes Koehler NexPlus® Seal Pure 36 gsm so attractive for the mailing of brochures. The fact that we use 100 percent certified virgin fiber pulp in production means that the paper is also suitable for food packaging and is already being used as secondary packaging," says Christoph Wachter, Director of the Flexible Packaging Paper division at Koehler Paper, as he explains the applications of this flexible packaging paper.

Sustainable packaging: Innovative paper solutions with “NexFlex®” from Koehler Paper

The research and development team from Koehler Innovation & Technology worked with the experts from Koehler Paper to develop the NexFlex® product range, a unique and 100% recyclable generation of flexible packaging paper. The aim here is to replace plastic in packaging by using so-called barrier paper wherever possible. The range covers a broad spectrum: It includes standard coated and uncoated paper used in laminates for pouches, sachets, and other applications, making them suitable for a wide range of packaging for food and non-food products. The next generation of paper for flexible packaging are sustainable barrier

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paper with functional surfaces for product-specific protection (Koehler NexPlus®). The NexFlex® product family also includes paper coated on one side with good dimensional stability and high smoothness (Koehler NexCoat®), as well as uncoated paper with a natural appearance (Koehler NexPure®). Various flexible packaging paper from Koehler Paper were awarded the “Made for Recycling” seal by the environmental service provider Interseroh.



Figure: Qualities such as its low weight and low opacity make the flexible packaging paper Koehler Nex-Plus® Seal Pure 36 gsm ideal for packaging brochures for mailing. Source: Koehler Group

About the Koehler Group

The Koehler Group was founded in 1807 and has been family-run from that moment to the present day. The group's core business activity lies in the development and production of high-quality specialty paper. This includes—among others—thermal paper, playing card board, beverage coasters, fine paper, carbon-less paper, recycled paper, decor paper, wood pulp board, sublimation paper, and also innovative specialty paper for the packaging industry since 2019. In Germany, the Koehler Group employs around 2,500 people across five production sites, with three additional sites in the USA. The group operates internationally, with an export share of around 67% in 2022, and brings in an annual turnover of around 1.3 billion euros.

As an energy-intensive company, Koehler invests in renewable energy projects such as wind energy, hydropower, photovoltaics, and biomass with its Koehler Renewable Energy business unit. The Koehler Group has set a goal of producing more energy from renewable sources by 2030 than is required for its paper production operations.

With its Koehler Innovative Solutions division, Koehler is collaborating with start-ups to promote innovations in the core business segments “paper” and “renewable energy”.

Find more information at: <https://www.koehler.com>

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