



Press Release

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A new definition of sustainable bonding with Technomelt Supra 079 Eco Cool

Bio just got cooler: Bio-based hot melt adhesive from Henkel helps save energy in the packaging process

Düsseldorf – The packaging industry is changing: rising CO₂ emissions, stricter regulations and increased consumer expectations require innovative answers. Bio-based materials and low-temperature adhesives are setting new standards for sustainable packaging. Henkel Adhesive Technologies now combines both technologies for the first time: The hot melt Technomelt Supra 079 Eco Cool is a bio-based product that combines 49 percent directly bio-based raw materials with 30 percent ISCC-certified mass-balanced material. It bonds folding cartons, trays and wrap-around packaging at a processing temperature that is up to 40 degrees Celsius lower.

With the new Technomelt Supra 079 Eco Cool hot melt adhesive, Henkel combines the advantages of its proven Technomelt Supra Eco and Supra Cool series. With the Supra Cool range, the manufacturer offers a portfolio of hot melts that lead to lower energy consumption thanks to reduced application temperatures. The Supra Eco range uses bio-based materials for a more sustainable packaging design. By combining both technologies in the latest development, companies can optimize the sustainability of their packaging at two points in the value chain - raw materials and processing.

Technomelt Supra 079 Eco Cool is a bio-based product that has a direct bio-based content of at least 49 percent and combines this with 30 percent ISCC-certified mass-balanced material. The ISCC certification allows to correctly allocate the volume of certified and non-certified material to the product. At the same time, the application temperature can be reduced by up to 40 degrees Celsius. In addition to lower energy consumption, there are advantages for the operating personnel: these include a lower risk of burns and reduced exposure to vapors and volatile substances.

By using Technomelt Supra 079 Eco Cool, companies can reduce their CO₂ emissions by up to 25 percent compared to a conventional EVA hot melt. The calculation is based on a cradle-to-gate analysis of the product's carbon footprint, excluding the use phase and end-of-life emissions. Like many non-bio-based adhesives in the Henkel portfolio, the adhesive is compatible with the paper recycling process and is certified as such by cyclos-HTP. The cyclos-HTP institute has developed a scientifically based catalog of requirements and assessments for testing and verifying the recyclability of packaging and goods.

"With Technomelt Supra 079 Eco Cool, we are addressing several trends and challenges in the packaging industry," said Nele Gering, Sustainability Manager Europe at Henkel Consumer Goods Adhesives. "Increasing regulations and consumer preferences for sustainable packaging practices and materials are putting pressure on companies to innovate in the area of sustainable packaging design. We are pleased to launch a product that is particularly suited to responsible companies: It reduces CO₂ emissions, can improve process efficiency and is fully compatible with the paper recycling process."

About Henkel

With its brands, innovations and technologies, Henkel holds leading market positions worldwide in the industrial and consumer businesses. The business unit Adhesive Technologies is the global leader in the market for adhesives, sealants and functional coatings. With Consumer Brands, the company holds leading positions especially in laundry & home care and hair in many markets and categories around the world. The company's three strongest brands are Loctite, Persil and Schwarzkopf. In fiscal 2023, Henkel reported sales of more than 21.5 billion euros and adjusted operating profit of around 2.6 billion euros. Henkel's preferred shares are listed in the German stock index DAX. Sustainability has a long tradition at Henkel, and the company has a clear sustainability strategy with specific targets. Henkel was founded in 1876 and today employs a diverse team of about 48,000 people worldwide – united by a strong corporate culture, shared values and a common purpose: "Pioneers at heart for the good of generations." More information at www.henkel.com

About cyclos-HTP

The cyclos-HTP Institute (CHI), founded in Aachen in May 2014 as a spin-off from the engineering company HTP, specializes in testing and certifying the recyclability of packaging and goods. With the development of the accredited catalog of requirements and assessments back in 2011 and the IT tool CHIRA, which was awarded the German Packaging Award 2022, CHI sets the relevant technical standards for assessing recyclability and provides differentiated solutions for ecological optimization. The shareholders of the institute are cyclos GmbH and HTP GmbH & Co. KG as well as Henkel AG & Co. KGaA. The CHI enables products to be awarded a seal of approval for their recyclability.

Photo material is available at www.henkel.com/press

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Technomelt Supra 079 Eco Cool combines bio-based materials with low processing temperature.