PRESS RELEASE

IAA TRANSPORTATION: Konzelmann Presents New TPU Solutions PURKON2080, PURKON3000 and PURKON4000 for Commercial Vehicles

At this year's IAA TRANSPORTATION in Hanover, Germany, Konzelmann GmbH will present its TPU portfolio for commercial vehicles and future mobility solutions. The focus is on the PURKON materials PURKON2000 and PURKON2001, as well as the new products PURKON2080, PURKON3000 and PURKON4000, which were developed in response to specific customer requirements and are characterized by exceptional resistance to wear and tear. Instead of standard products made from conventional materials that require compromises, Konzelmann offers tailor-made solutions – on display September 15–20, 2026, at IAA TRANSPORTATION in Hanover (Germany), hall 19/20, booth D50.

Löchgau, Germany, August 5, 2026 – Alternative powertrains, new operating fluids, and increasing demands for efficiency and reliability are posing challenges for the commercial vehicle industry. Where conventional materials reach their limits, there is a need for materials that are precisely tailored to the specific application. Konzelmann is responding to this shift with exceptionally robust and custom-developed TPU materials. At IAA TRANSPORTATION in Hanover, Germany, the company will be highlighting three new materials from its portfolio: PURKON2080, PURKON3000 and PURKON4000.

Trade Fair Highlight: New PURKON Materials

As a special highlight, Konzelmann will present three new TPU products at IAA TRANSPORTATION. PURKON2080 was developed specifically for solenoid valves in commercial vehicle braking systems and meets high safety requirements. PURKON3000 is a TPU material that is equally suitable for mineral oil-based and bio-based oils, requiring only one seal instead of two. PURKON4000 is specifically designed for use with water-glycol coolant mixtures and, thanks to the material's higher wear resistance, outperforms conventional elastomer components. As a result, the material is used in particular in the thermal management of electric vehicles, thereby helping to ensure the service life of the batteries used.

Already firmly established on the market and also featured at the trade show are the classic PURKON2000 and PURKON2001. These materials meet the high standards of modern hydrogen technology and reliably seal valves and couplings. PURKON2000 has also been tested and certified by the German testing organization TÜV Süd.

PURKON Materials: Hand in Hand with Customer Requirements

PURKON materials meet a wide range of requirements. Among other things, they are characterized by their resistance to mineral oils, bio-based oils and greases, water-glycol mixtures, as well as acids and alkalis. In addition, the materials reduce friction between the seal and the mating surface, enabling it to withstand high loads while maintaining low wear. This reduction is achieved, in part, through the materials' special compositions. Thanks to their properties, they are also optimally designed for the growing importance of high-performance cooling circuits in the context of increasing electrification. "Our customers come to us with a specific technical challenge. We analyze the application, the media used, and the operating conditions, and based on that, we develop a material that precisely matches this set of requirements," explains Heiko Kurz, Head of the Sealing Technology Business Unit at Konzelmann. "In doing so, we differentiate ourselves through material expertise, customized development, and the ability to bring demanding applications into series production."

Sustainability as a Core Principle: PFAS-Free and Bio-Based

All PURKON materials adhere to a clear commitment to sustainability. They are PFAS-free, incorporate the maximum possible proportion of renewable raw materials, and are designed to reduce dependence on mineral oil-based components: "We want to offer materials that are high-performance and geared toward future requirements," explains Heiko Kurz. "For us, this includes minimizing our environmental footprint without compromising on safety and reliability."

With its expanded PURKON portfolio, Konzelmann addresses key challenges facing the commercial vehicle industry. Furthermore, TPU materials can be used not only in the automotive industry but also in other fields. For example, thanks to its resistance to acids and alkalis found in cleaning agents, PURKON4000 can be used in the food industry, among other sectors. This positions Konzelmann as an innovative development partner for a wide range of industries and applications.

Visit Konzelmann at IAA TRANSPORTATION in Hanover, Germany

Are you interested in learning more about application-specific materials and the PURKON product family? Visit Konzelmann from September 15 to 20, 2026, at booth D50 in Hall 19/20 at IAA TRANSPORTATION 2026 in Hanover, Germany. A special highlight is the "Inside Konzelmann" press conference on Monday,

September 14, from 2:00 p.m. to 2:20 p.m. at the Konzelmann booth (D50/Hall 19/20). Milko Konzelmann, Dr. André Konzelmann, and Heiko Kurz will be available to speak with you on site. If you are interested in attending the press conference, please contact the press representative.

Trademark information: PURKON2000, PURKON2001, PURKON2080, PURKON3000, and PURKON4000 are registered trademarks of Konzelmann GmbH.

Press photo (preview)



Caption: An overview of Konzelmann's PURKON product family: PURKON2000, PURKON2001, PURKON2080, PURKON3000, PURKON4000.

You can find downloadable images here: LINK

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About Konzelmann

For more than 60 years, Konzelmann GmbH has stood for innovations made of plastics. The family-run company is headquartered in Löchgau, Germany, and has an office in Detroit, USA, as well. Konzelmann develops polymeric components and systems for friction optimization as well as emission reduction. Its customers are major OEMs and Tier 1 suppliers in the automotive, medical and industrial sectors. Konzelmann's experts follow a holistic approach to finding solutions: through intensive listening and many years of expertise in the development of special technical applications, individual solutions with a holistic view of product and process interfaces are created in exchange with the customer. The result is reduced production costs with superior product properties. Current examples include the in-house developed KBerstring®, which enhances battery safety in the context of e-mobility; the internally clamped rectangular sealing ring ID Sealing (REDI), which can significantly reduce both leakage and friction torque; and the TÜV Süd-certified PURKON®2000 material, which provides comprehensive leakage protection in hydrogen applications. The in-house developed PURKON® materials – PURKON®2000, PURKON®2001, and the new PURKON®2080, PURKON®3000, and PURKON®4000 presented for the first time at IAA TRANSPORATION 2026 – meet the highest material requirements and exemplify Konzelmann's application-oriented and forward-looking product development.

Further Information: https://www.konzelmann.com/en/