Press Release

GEALAN & RAMPF – Strong Partnership for Maximum Sealing Performance and High-Efficiency Production

Sealing multiple complex automotive 3D contours in a single step with high-performance PU foams and advanced automation solutions

Grafenberg, Germany, January 21, 2026. Sealing processes in the fast lane: GEALAN and RAMPF Advanced Polymers deliver outstanding sealing performance and maximum efficiency with innovative polyurethane foams and highly automated application technology.

Key Takeaways

1. GEALAN Formteile GmbH develops and produces complex plastic components for the automotive industry, delivering highest quality and ultra-fast production processes.
2. For sealing loudspeaker housings, GEALAN relies on the polyurethane foam RAKU® PUR 32-XGEA23 from RAMPF Advanced Polymers, applied with maximum precision using FIPFG technology.
3. The foam system's material properties allow the component to be rotated multiple times without any sagging, ensuring reliable one-step sealing even for highly complex geometries.

Ultra-fast production processes and uncompromising quality are essential in the automotive industry. That is why numerous OEMs and Tier-1 suppliers rely on GEALAN Formteile GmbH for the development and manufacture of complex plastic solutions.

GEALAN also leverages this extensive materials and application expertise in the sealing of loudspeaker housings – using the high-performance polyurethane foam RAKU® PUR 32-XGEA23 from RAMPF Advanced Polymers.

The seal is applied directly to the component with high precision and full automation using FIPFG technology (Formed-In-Place Foam Gasket). Working closely with GEALAN, the experts at RAMPF have perfectly tailored the sealing system to the requirements of both the component and the application process.

Thanks to the special combination of reactivity and viscosity/thixotropy of RAKU® PUR 32-XGEA23, the component can be rotated multiple times during processing without sagging. This guarantees reliable one-step sealing, even for highly intricate geometries.

Christian Pflug, Head of R&D at GEALAN Formteile GmbH: “Our customers demand both speed and absolute reliability, and our materials and processing technologies are engineered to deliver exactly that. By using RAKU® PUR 32-XGEA23 sealing foam from our long-standing partner RAMPF Advanced Polymers, we ensure consistently high-performance sealing results.”

www.rampf-group.com

RAMPF Advanced Polymers GmbH & Co. KG based in Grafenberg, Germany, is a leading specialist in the development and manufacture of customized and sustainable solutions for formulating, sealing, casting, and design.

The product portfolio includes

> Sealing systems, electro casting resins, engineering casting resins, edge and filter casting resins, and adhesives based on polyurethane, epoxy, and silicone, as well as silane-modified polymers

> Board and liquid materials for model and mold engineering based on polyurethane and epoxy

> Chemical solutions for the manufacture of customized recycled polyols based on polyurethane, PET, and PIR residues.

RAMPF Advanced Polymers is a company of the international RAMPF Group based in Grafenberg, Germany.

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