

RAMPF foam gaskets – optimum protection and exceptionally easy handling

K-Messe 2016: Polyurethane and silicone products for the automotive, electrical/electronics, and packaging industries / Filter casting and bonding system experts also on hand

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Page 1 of 4

Grafenberg, August 17, 2016. At the RAMPF Polymer Solutions stand at the trade fair K-Messe 2016 in Düsseldorf, the spotlight is on innovative sealing systems based on polyurethane and silicone. From October 19 to 26, visitors to Stand B26-03 in Hall 7A can also find out all about casting systems for filter manufacturing and bonding systems for assembly applications, sandwich elements, and surface lamination.

“Our liquid and thixotropic sealing systems in the RAKU-PUR[®] (polyurethane) and RAKU-SIL[®] (silicone) ranges deliver efficient sealing, the highest level of quality, and exceptionally easy handling,” says Albert Schmid, Key Technology Manager Foam Gaskets at RAMPF Polymer Solutions. “With benefits including low water absorption, excellent adhesion, outstanding long-term temperature resistance, and cost-effective processing, our systems are used by customers all over the world in industries including automotive, electrical/electronics, energy, packaging, and household goods.”

Foam gaskets for the automotive industry



RAMPF foam gaskets are designed to comply with strict automotive industry requirements in terms of emissions and NVH standards (noise, vibration, harshness). What's more, fast-curing RAKU-PUR[®] Speed foam gaskets have been developed specifically for the ultrafast production chains typical of this sector – they can be ready for use within three minutes of application.

Applications include: Door and door-locking modules, brake lights, headlights, taillights, electrical enclosures, ignition coil covers, fuse boxes, and ventilation grills.

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Foam gaskets for the electrical/electronics industry



The foam gaskets, which can be applied two and three dimensionally, meet all the requirements for flame-retardant materials to UL 94 (HF-1, HF-2, HBF). Many sealing systems in the RAMPF portfolio also comply with the UL 50 and UL 50E test specifications for control cabinets and other electronics enclosures.

Applications include: Control cabinets, industrial lighting, LED modules, operating equipment, electrical enclosures, housing covers, and solar inverters.

Foam gaskets for the packaging industry



In the food and drinks industry, liquid foam gaskets with EU food packaging approval deliver highly effective and reliable protection. In chemical and pharmaceutical applications, they help protect against aggressive media and extreme temperatures, and ensure excellent adhesion on both metal and plastic.

Foam gaskets for the household goods industry



Foam gaskets play a crucial role in the functionality and reliability of household appliances – and therefore significantly contribute to end-customer satisfaction. Flame-retardant properties to UL 94 (HF-1, HF-2, HBF) are possible. The systems' vibration-damping effects help to ensure quiet operation for a range of household appliances.

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Applications include: Components for dryers, power units for dishwashers, sealing, damping, and insulation applications in washing machines, and sealing for sinks and hobs.

Further RAMPF highlights at K-Messe:

RAKU-PUR[®] and RAKU-POX[®] casting systems for filter manufacturing

Thanks to their short process times, RAMPF casting systems ensure optimized production processes for filters. Additional benefits include high temperature and chemical resistance. RAKU-PUR[®] and RAKU-POX[®] casting systems have been used successfully for years in the manufacture of oil and hydraulic filters, air filters (HEPA, ULPA), and waste water filters, among other applications.

Bonding systems for assembly applications, sandwich elements, and surface lamination

The RAMPF assembly adhesive portfolio includes PUR, epoxy, hybrid, silicone, and hot-melt adhesives that ensure reliable bonding in a wide variety of applications, including in the transportation, filter, electrical/electronics, wood processing, lightweight construction, and white goods sectors. For sandwich elements and surface lamination, RAMPF has developed first-class PUR and hot-melt adhesive systems. These are used in applications including façades and decorative elements, door, wall, and roof panels, composite building and construction elements, mobile homes and trailers, superstructures for commercial vehicles, and in transport vehicles (e.g. buses, trains).

Visit RAMPF at K-Messe 2016 from October 19 to 26 at the Specialist Association Foamed Plastics and Polyurethanes (Fachverband Schaumkunststoffe und Polyurethane / FSK) joint stand – Hall 7A, Stand B26-03

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RAMPF Polymer Solutions GmbH & Co. KG is a leading developer and manufacturer of reactive resin systems based on polyurethane, epoxy, and silicone. The company also possesses comprehensive expertise in application technology.

The product portfolio of RAMPF Polymer Solutions includes liquid and thixotropic sealing systems, electro and engineering casting resins, edge and filter casting resins, and adhesives.

Research and development are highly prioritized: Based in Grafenberg (near Stuttgart), Germany, the technology pioneer and quality leader has laboratories and facilities for application technology within its spacious Innovation Center. Every day in the RAMPF Innovation Center, new products are developed, existing products are adapted to specific customer requirements, and a huge range of material combinations are tested.

The materials created in the laboratory are tested in the application technology department, where samples are also made for customers to further enhance product quality and reduce the time to series production. Naturally, customers also receive support during the product rollout phase and production process.

RAMPF Polymer Solutions attaches particular importance to renewable raw materials during the initial research phase. Biopolyols are developed in cooperation with sister company RAMPF Eco Solutions. The potential use of recycled polyols in the composition of new products is also closely examined.

RAMPF Polymer Solutions is a company of the international **RAMPF Group** based in Grafenberg, Germany.

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