

# Sealing, Foaming, Casting, and Design Solutions made by RAMPF

Foam Expo 2019 – High-performance polyurethane and silicone resins for numerous industries and applications

© RAMPF Group, Inc.

Page 1 of 3

**Wixom, MI, USA, March 18, 2019. RAMPF Group, Inc. is presenting its range of silicone and polyurethane foams used for IP sealing, BSR/NVH abatement, insulation, modeling, and light-weighting in the automotive, household appliance, electronic, packaging, energy technology, recreation equipment, and medical industries at Foam Expo 2019 in Novi, MI, March 26 - 28, Booth 1322.**

RAMPF Group, Inc., based in Wixom, MI, offers more than 400 foam formulas. At Foam Expo 2019, the company is featuring the following products:

### > **RAKU<sup>®</sup> PUR and RAKU<sup>®</sup> SIL – Safe and silent household appliances**



The RAKU<sup>®</sup> PUR and RAKU<sup>®</sup> SIL portfolios of automated gasketing include systems with flame-retardant properties to UL 94 (HF-1, HF-2, HBF) and enhanced UV stability. These technologies also offer IP (Ingress Protection) ratings to safeguard equipment from incidental splashing to high-pressure spray and submersion in water and chemicals as well as other fluids.

The sound suppression and vibration-damping properties of RAMPF's sealing systems contribute significantly to the stable and silent operation of household appliances. They cover a temperature range from -60 °C to +250 °C and are used, amongst others, in components for refrigerators, freezers, dryers, dishwashers, washing machines as well as sealing sinks and hot water heaters.

### > **RAKU<sup>®</sup> PUR – Maximum performance in the cold, rain, snow or frost**

RAKU<sup>®</sup> PUR 31-3194 and RAKU<sup>®</sup> PUR 32-3294 polyurethane resins for electrical enclosures and control cabinet doors ensure minimal swelling under icy conditions together with a reliable, lasting seal. The resin systems boast outstanding adhesion to a wide range of housings (stainless steel, aluminum, powder coatings, plastic, glass) and cover a temperature range from -40 °C to +90 °C (+130 °C for short periods).

Further advantages: very short tack-free time, which facilitates fast assembling processes, low air loading, and low viscosity (height/width ratio 1:2 possible). Applications throughout the housing, lighting, and automotive sectors.

## Sealing, Foaming, Casting, and Design Solutions

Foam Expo 2019 – High-performance polyurethane and silicone resins for numerous industries and applications

### > RAKU<sup>®</sup> PUR Speed – Tack-free in minutes



RAKU<sup>®</sup> PUR Speed technology offers the unique synergy of long open time for ease of processing with short tack-free and full-cure times.

This combination allows the sealing of complex, high-volume parts with minimal WIP, labor, and equipment cost.

### > RAKU<sup>®</sup> PUR 34 rigid foams

Rigid foams are construction materials with a low density and closed-cell structure which are processed using high or low pressure with suitable molds. RAKU<sup>®</sup> PUR 34 rigid foams are particularly suited for lightweight moldings that have to comply with certain static requirements. Fields of application include appliance and machine parts as well as components for vehicles and sports equipment.

Special advantages include:

- > short reaction and demolding times to increase productivity
- > high mechanical strength for reliable performance
- > excellent vibration damping, noise reduction, and thermal insulation
- > reduced material cost to improve profitability
- > lower part weight for improved performance and cheaper packaging options

### > RAMPF – material and machinery from a single source



RAMPF Group, Inc. offers a unique proposition on the market, as it develops and produces both the sealing systems as well as the static/dynamic mixing & dispensing systems for their reliable processing. “We provide customers with high-quality products and solutions tailored precisely to their needs. Our team provides expert advice on product selection, development, process technology, and automa-

tion concepts”, says Lance Ewert, Division Manager Reactive Resins at RAMPF Group, Inc.

RAMPF Group, Inc. also offers contract manufacturing for liquid gaskets, sealing, and casting.

## Sealing, Foaming, Casting, and Design Solutions

Foam Expo 2019 – High-performance polyurethane and silicone resins for numerous industries and applications

[www.rampf-group.com](http://www.rampf-group.com)



RAMPF Group, Inc., based in Wixom, Michigan, is the North American subsidiary of the international RAMPF Group.

The product portfolio of RAMPF Group, Inc. is comprised of:

- > mixing and dispensing systems for the reliable processing of polymers
- > two-component polymer (or synthetic) systems based on polyurethane, epoxy, and silicone
- > modeling and mold engineering materials, in particular for the automotive, marine, and aviation industries
- > machine bases, machine frames, and other structural components made from mineral casting (polymer concrete)

The international RAMPF Group stands for engineering and chemical solutions and caters to the economic and ecological needs of industry. The Group secures its presence on the international markets with approx. 880 employees and six core competencies:

- > **RAMPF Machine Systems** based in Wangen (Göppingen), Germany, develops and produces multi-axis positioning and moving systems, trunk machines, and basic machines based on high-precision machine beds and machine bed components made from alternative materials.
- > **RAMPF Production Systems** based in Zimmern o. R., Germany, develops and produces mixing and dispensing systems for bonding, sealing, foaming, and casting a wide variety of materials. The company also offers a wide range of automation skills relating to all aspects of process engineering.
- > **RAMPF Composite Solutions** based in Burlington, Ontario, Canada, is a holistic composites supplier to companies in the aerospace and medical industries. The company offers a complete suite of services including composite part design and engineering, metal-to-composite conversion engineering, and composite manufacturing to very tight tolerances.
- > **RAMPF Eco Solutions** based in Pirmasens, Germany, develops chemical solutions for the manufacture of high-quality alternative polyols from PU and PET waste materials. This expertise is also put to use in the planning and construction of customer-specific facilities for manufacturing polyols.
- > **RAMPF Polymer Solutions** based in Grafenberg, Germany, develops and produces reactive resin systems based on polyurethane, epoxy, and silicone. Its product portfolio includes liquid and thixotropic sealing systems, electro and engineering casting resins, edge and filter casting resins, and adhesives.
- > **RAMPF Tooling Solutions** based in Grafenberg, Germany, develops and produces board and liquid materials for cutting-edge modeling and mold engineering. The range of skills includes made-to-measure services and products such as pastes, large-volume and full-size castings for Close Contour models, and prototyping systems.

RAMPF has subsidiaries in Germany, the U.S., Canada, Japan, and China.

All RAMPF companies are united under a holding company – **RAMPF Holding GmbH & Co. KG** – based in Grafenberg, Germany.

Published by:  
RAMPF Group, Inc.  
49037 Wixom Tech Drive  
Wixom, Michigan 48393, USA  
T +1.248.295-0223  
F +1.248.295-0224  
E [info@rampf-group.com](mailto:info@rampf-group.com)  
[www.rampf-group.com](http://www.rampf-group.com)

Your contact for images and further information:  
Benjamin Schicker  
RAMPF Holding GmbH & Co. KG  
Albstrasse 37  
72661 Grafenberg, Germany  
T + 49.7123.9342-1045  
F + 49.7123.9342-2045  
E [benjamin.schicker@rampf-group.com](mailto:benjamin.schicker@rampf-group.com)