Press release

New Silicone Gap Fillers From RAMPF

PCIM Europe 2023: Casting systems with maximum thermal conductivity and elasticity for applications in power electronics – Hall 6 / Booth 6-429

Grafenberg, Germany, April 17, 2023. Maximum thermal conductivity, maximum elasticity – RAMPF Polymer Solutions is showcasing its brand-new range of silicone gap fillers for power electronics at PCIM Europe 2023 from May 9 to 11 in Nuremberg – Hall 6 / Booth 6-429.

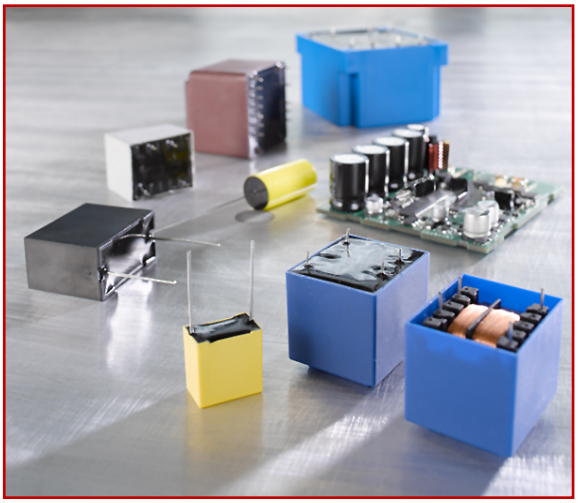
RAKU® SIL gap fillers from RAMPF Polymer Solutions boast

> First-class thermal conductivity of > 1.5 W/m·K
> Very high long-term thermal endurance
> Excellent electrical properties
> Low Shore hardness
> Suitability for use at a wide range of temperatures from -60°C to 200°C
> Thixotropic behavior for outstanding processability with maximum dispensing speeds
> Rapid curing at room temperature (accelerated curing can be achieved with heat)

The soft, paste-like two-component silicone elastomers protect sensitive components from overheating and maximize their life cycle. Applications include

> High-performance electronics
> Electronic automobile components
> Computers and peripherals
> Usage between heat-generating semiconductor components and heat sinks

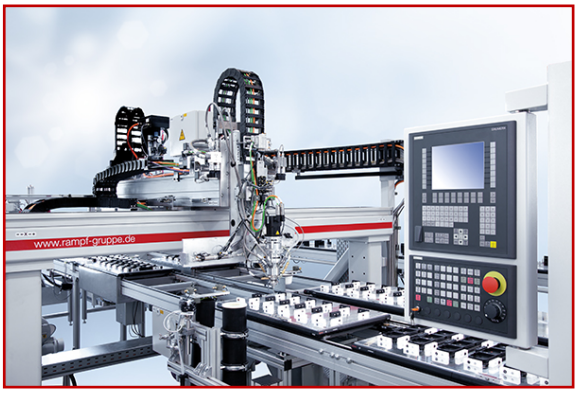
One- and two-component electro casting resins for high-performance electronics



A further highlight at the RAMPF booth will be high-performance casting systems for electrical/electronic components based on silicone, polyurethane (RAKU® PUR), and epoxy (RAKU® POX). These provide reliable and efficient protection from chemical substances and environmental influences such as heat, cold, and moisture, and are used in applications such as

> On-board chargers
> AC/DC converters
> DC/DC converters
> Power capacitors
> Relays
> EMC filters

Material and processing from a single source



Material quality and processing are key to the correct functioning and durability of electrical/electronic systems. The casting systems from RAMPF Polymer Solutions are ideally suited for processing on standard mixing and dispensing systems.

The systems developed by sister company RAMPF Production Systems for applying thermally conductive materials ensure effective preparation and high-precision dispensing, regardless of viscosity and density. The portfolio of products and services also includes project-specific automation concepts with integrated systems for component handling, plasma pre-treatment, image processing, sensors, and much more.

Visit RAMPF Polymer Solutions at PCIM Europe 2023 from May 9 to 11 in Nuremberg – Hall 6, Stand 6-429!

www.rampf-group.com

RAMPF Polymer Solutions GmbH & Co. KG based in Grafenberg, Germany, is a leading developer and manufacturer of reactive resin systems based on polyurethane, epoxy, and silicone.

The product portfolio includes liquid and thixotropic sealing systems, electro and engineering casting resins, edge and filter casting resins, adhesive systems, and hotmelt adhesives.

The products of the RAKU® PUR (polyurethane), RAKU® POX (epoxy), RAKU® SIL (silicone), and RAKU® MELT (hotmelt adhesives) brands ensure the best solution for your application.

R&D is a top priority. In the RAMPF Innovation Center, experts work daily on the development of new products, the enhancement of existing products, and new material combinations.

RAMPF Polymer Solutions is certified to ISO 9001, IATF 16949, ISO 50001, and ISO 14001. The products are listed by leading manufacturers in the automotive, electrical, and electronics industries, amongst others, and meet the highest quality requirements such as IP 67, IP 69, UL 94 V0, FMVSS 302, UL 746 B (RTI), and thermal classification B – F.

With state-of-the-art production processes and plants, RAMPF guarantees the economical, quality-compliant, and ecological (ISO 14001) manufacture of its products.

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

Published by:
RAMPF Polymer Solutions GmbH & Co. KG
Albstrasse 37
72661 Grafenberg
Germany
T + 49.7123.9342-0
F + 49.7123.9342-2444
E polymer.solutions@rampf-group.com
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