

# Maximum Power – RAMPF Electro Casting Resins

Reactive plastic systems for the electrical and electronics industry at PCIM Europe in Nuremberg – Hall 6 / Booth 6-427

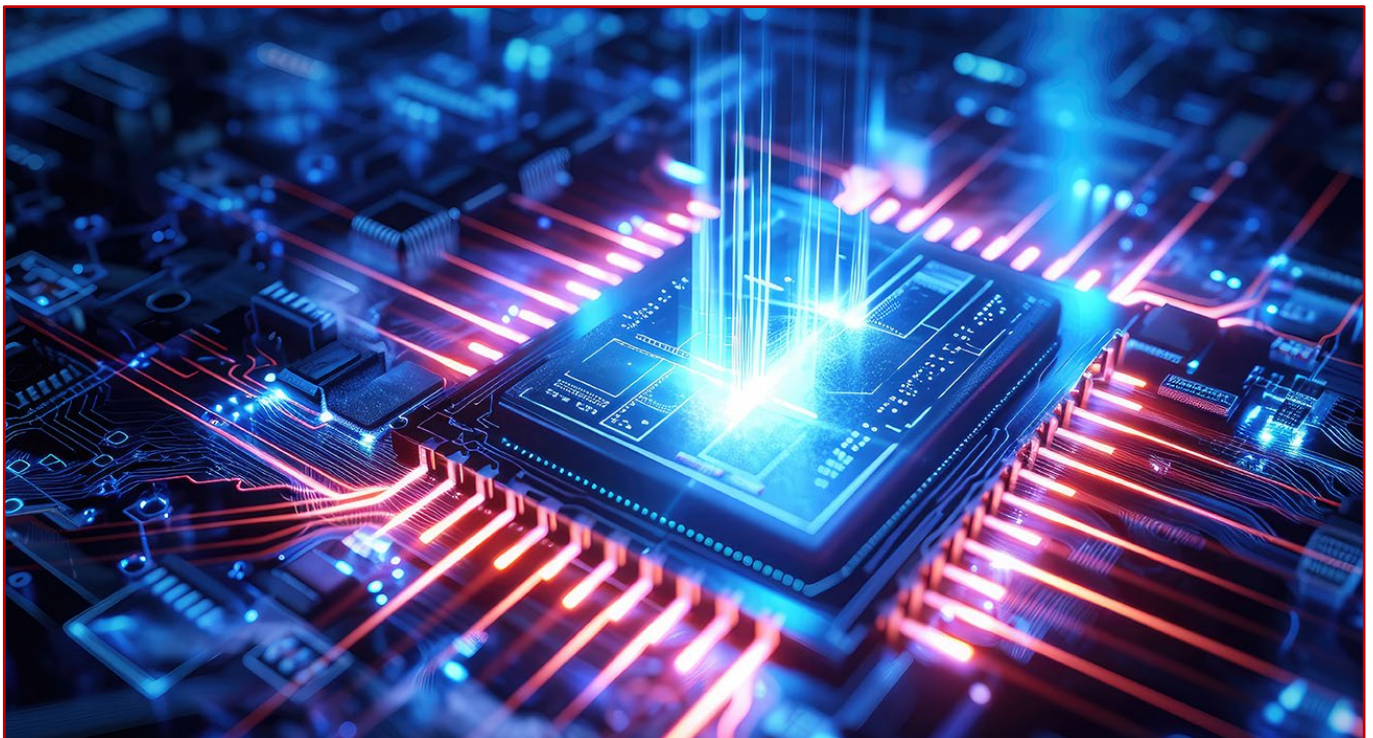
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**Grafenberg, Germany, April 16, 2025. RAMPF Advanced Polymers is presenting high-performance electro casting resins based on polyurethane, epoxy, and silicone for the electrical and electronics industry at PCIM Europe in Nuremberg from May 6 to 8 – Hall 6 / Booth 6-427.**

### Key Facts

1. Electro casting resins from RAMPF Advanced Polymers ensure optimal functionality and maximum lifespan of electrical and electronic components.
2. The high-performance potting systems based on polyurethane, epoxy, and silicone are listed with leading manufacturers in the automotive and electronics industries.
3. Product highlight at PCIM 2025: RAKU<sup>®</sup> PUR 21-2380-3 with outstanding thermal conductivity, low water absorption, and good hydrolysis resistance.



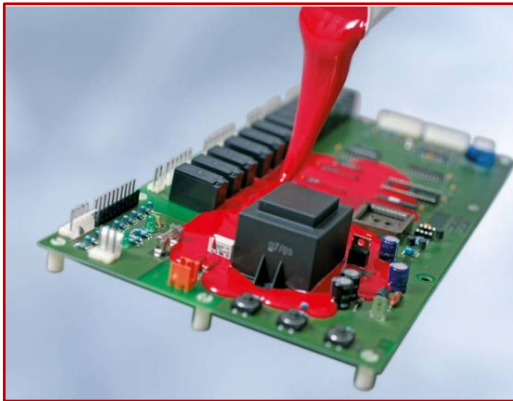
### Electro Casting Resins – Maximum performance based on polyurethane, epoxy, silicone

One- and two-component electro casting resins reliably and efficiently protect sensitive electrical/electronic components, batteries, motors, power electronics, sensors, and transformers from chemi-

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cal substances and environmental influences such as heat, cold, and moisture. The potting systems are listed with leading manufacturers in the automotive and electronics industries, among others.



- **RAKU<sup>®</sup> PUR Polyurethane electro casting resins**

- Typical applications: Casting circuit boards, capacitors, inverters, sensors, inductors, EMC filters, and many more.
- Benefits:
  - Wide Shore hardness range (20A - 90D)
  - Easy adjustment of reactivity
  - Low shrinkage
  - Low exothermicity
  - Fast processing
  - High shock resistance
  - Good adhesion to plastics

- **RAKU<sup>®</sup> POX Epoxy electro casting resins**

- Typical applications: Casting capacitors, motors, transformers, circuit boards, control devices, and many more.
- Benefits:
  - High mechanical strength and good adhesion to metal
  - Very good chemical resistance
  - Very good impregnation
  - High abrasion resistance

- **RAKU<sup>®</sup> SIL Silicone electro casting resins**

- Typical applications: Casting printed circuit boards, sensors, power electronics, chargers, control units, sensors, batteries, and many more.

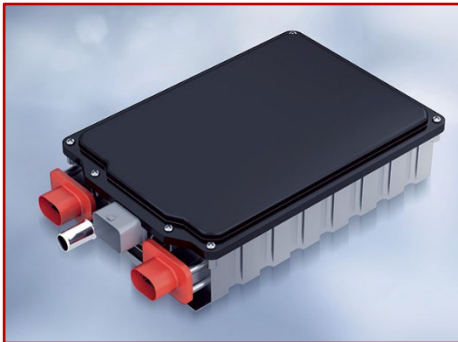
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- Benefits:
  - Very good temperature resistance
  - Consistent properties over entire application temperature range
  - Good aging resistance
  - High thermal conductivity
  - Good crack resistance
  - Very good chemical resistance
  - High UV and weather resistance
  - Minimal SVHC levels

### Product highlight at PCIM 2025: RAKU<sup>®</sup> PUR 21-2380-3

RAMPF's flame retardant, RoHS-compliant polyurethane system impresses with its excellent thermal conductivity of 1.9 W/m-K, low water absorption, good hydrolysis resistance, and good flow properties. Thanks to non-abrasive fillers, RAKU<sup>®</sup> PUR 21-2380-3 can be processed with standard two-component mixing and dispensing systems.



RAKU<sup>®</sup> PUR 21-2380-3 is used for potting on-board chargers in electric vehicles and various power electronics applications.

**Visit RAMPF at PCIM Europe, May 6 to 8, in Nuremberg – Hall 6 / Booth 6-427!**

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[www.rampf-group.com](http://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, silicone, and 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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