



Vacuum impregnation for electronic components

Reliable Sealing Results through High-Quality Impregnation

Henkel is a world-leading supplier of impregnation products and services. With a comprehensive range of proven, innovative solutions for sealing **electronic components**, we enable our customers to eliminate porosities and prevent leakage, meeting in full their process needs and the associated industry challenges.



The industry challenge

High-quality electronic components play a vital role in the automotive industry. The reliability and safety imperatives encountered by today's vehicle manufacturers mean that all components have to be fully sealed against fluids, gases and other external influences. The industry also finds itself under constant pressure to reduce costs, increase productivity and meet environmental regulations.

Our solutions

Henkel's impregnation products and services are designed to provide superior quality in sealing leak paths between metal and plastic materials in electronic components.

LOCTITE High-Performance Impregnation Products

LIS	Chemical type	Cure method	Appearance	Viscosity 23 °C, mPa.s	Chemical resistance	Temperature resistance	Resin recycling	Application area
LOCTITE IS 5100	Methacrylate	Anaerobic	Clear, fluorescent	5 – 30	Excellent	-54°C to +177°C	No	Electronics
LOCTITE IS 5110	Methacrylate	Anaerobic	Clear, fluorescent	36 – 66 at 25°C	Excellent	+205°C	No	Electronics
LOCTITE IS AT	Methacrylate	Anerobic	Clear, fluorescent	5 – 15	Excellent	+177°C	No	Electronics



Process optimization

- > Improved quality and better performance thanks to our best-in-class product portfolio and high-speed impregnation service on site or close by
- > Exceptional sealing quality thanks to clean, operationally efficient facilities
- > Individual validation testing and on-site service personnel ensure tailored product and service concepts



Cost reduction

- > Lower overall costs through reducing scrappage caused by leak paths and other structural defects



Sustainability

- > Improved ecological footprint through an on-site impregnation center that reduces transportation costs

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