

**LOCTITE**

## LOCTITE® SI 5643

Two-component, fast curing, low viscosity thermally conductive potting compound for electronic assembly applications.



### Features & Benefits

- Exceptional and fast flowing behavior
- Pourable, fast, and self-levelling
- Capable of filling small gaps
- Provides excellent heat transfer
- Very soft to protect sensitive components
- Yellow in color, enabling easy automated optical inspection



**eMOBILITY**  
ENABLED BY HENKEL

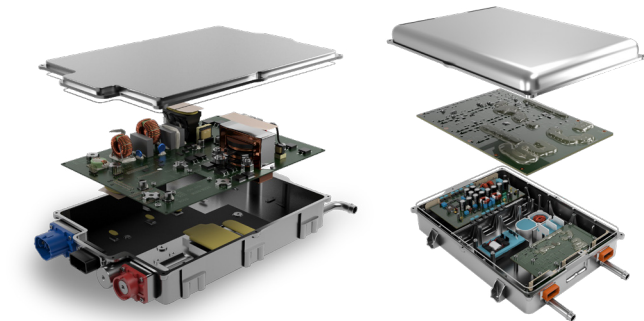


# LOCTITE® SI 5643

Two-component, fast curing, low viscosity thermally conductive potting compound for electronic assembly applications.

## Typical Applications

- Electronic assemblies that require robust thermal management. This product is typically used in on-board chargers and inverters in battery electric vehicles



## Available Configurations\*

- Cartridges: On request
- Pail Kits: 20 liter pail
- Drum Kits: 200 liter drum

## Technical Data

Properties	Typical Value	Test Methods
Chemistry	2K addition cure	-
Thermal	silicone 14 W/m.K	ASTM D 5470-17
Conductivity Density	2.5 g/cm³	ASTM D792
Hardness, Shore 00	70%	ASTM D 2240-15
Dielectric Strength	> 14 kV/mm	ASTM D 149
Viscosity @ 25°C, 1 s	5,500 mPa·s	ASTM D 7867-13
Pot Life @ 25°C	> 20 min	ASTM D 7867-13

## Product Availability\*

- Global

\*Availability may change due to high demand. Please contact us for the latest information.

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# THERMAL POTTING

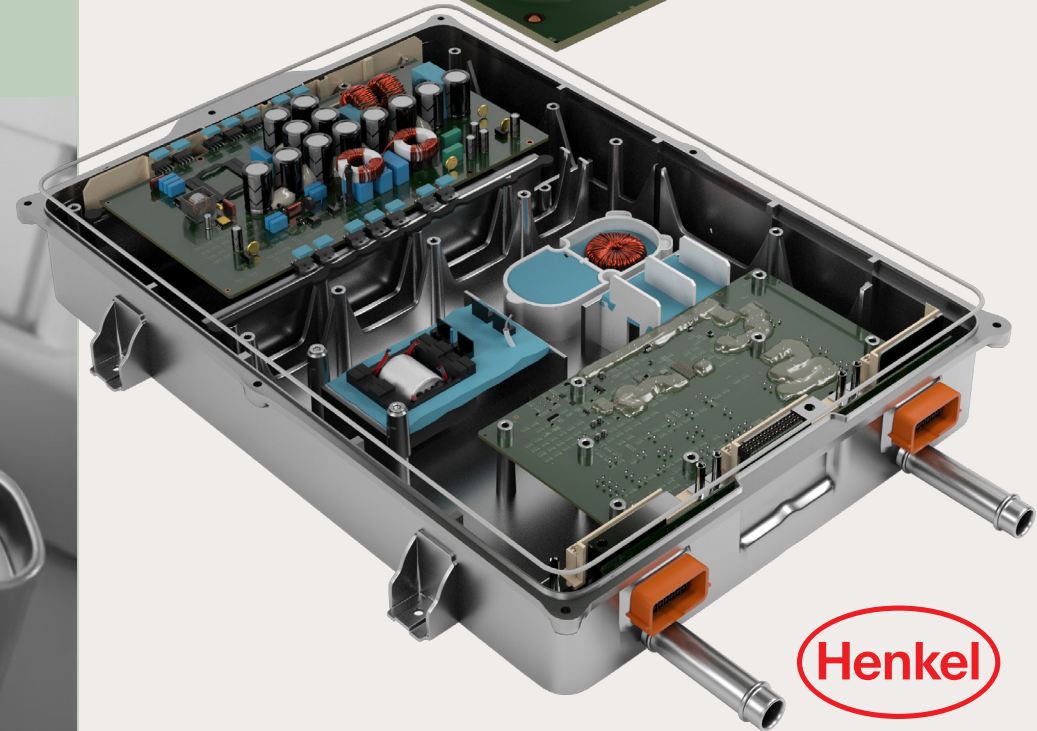
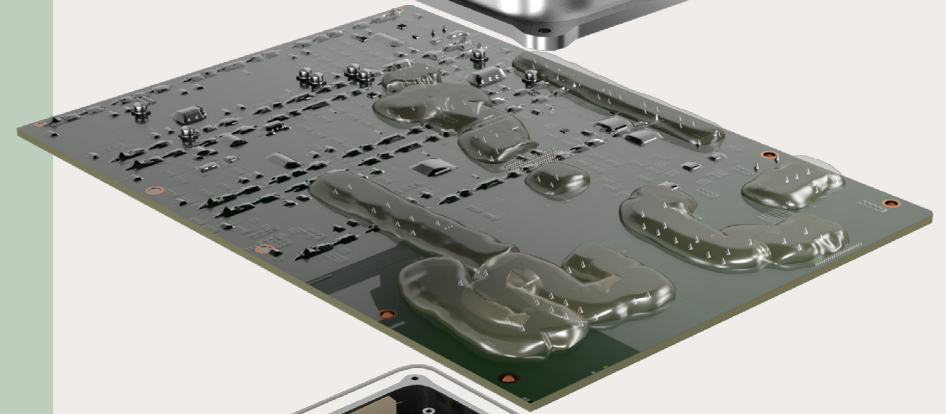
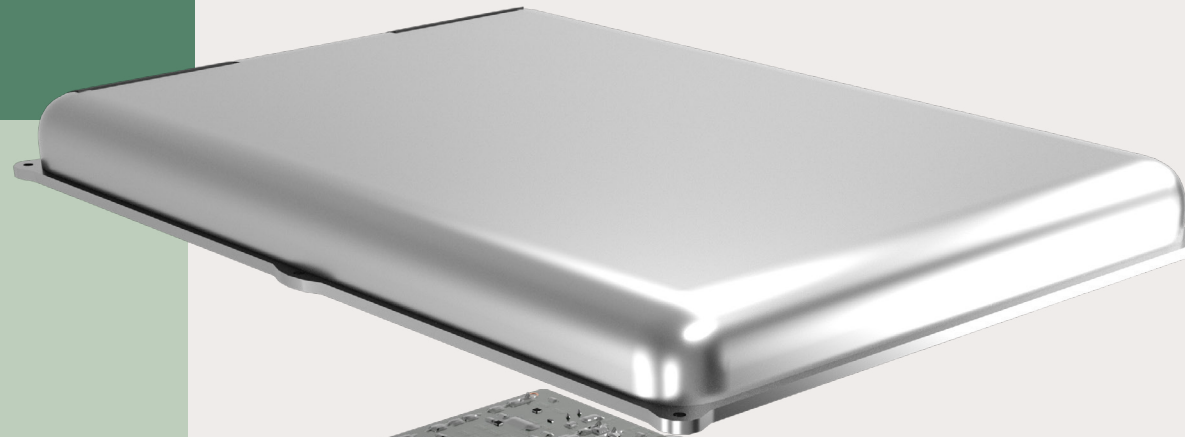
## LOCTITE® SI 5643

Two-component, fast curing, low viscosity thermally conductive potting compound for electronic assembly application.



### Sustainability:

- Non-corrosive
- Cures at low temperatures or room temperature
- Made in Europe: REACH- and RoHS-compliant



Henkel