



HENKEL SOLUTIONS FOR AUTOMOTIVE ELECTRONICS COMPONENTS

LOCTITE® PE 8086 AB

2K Epoxy thermal potting with excellent electric insulation for e-motors & sensors



Features & Benefits

- **2K epoxy** thermally conductive potting technology with **heat curing**
- High **thermal conductivity (1.5W/m.k)**, low mixed viscosity for easy process
- High mechanical strength for **protection of Cu-windings**
- Excellent **adhesion to metal** and **resistance** for automotive transmission fluid (**ATF**) at **150°C**
- **Heat resistant** up to **180°C (class H)**
- **Electrically insulating** range from -40 to 180°C possible



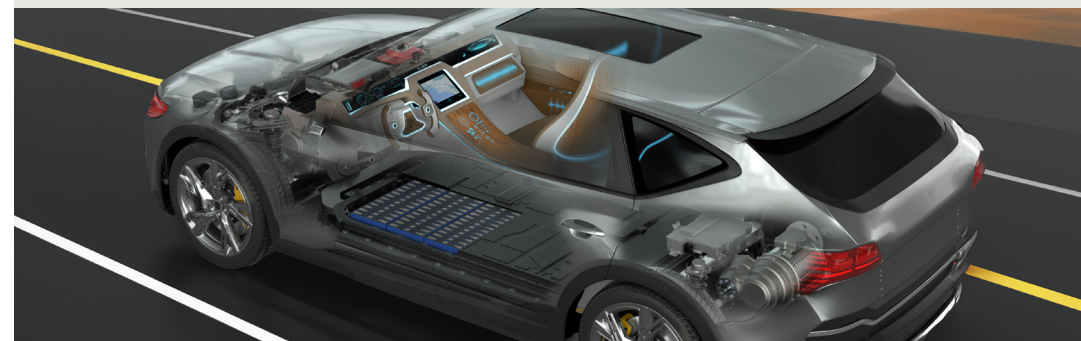
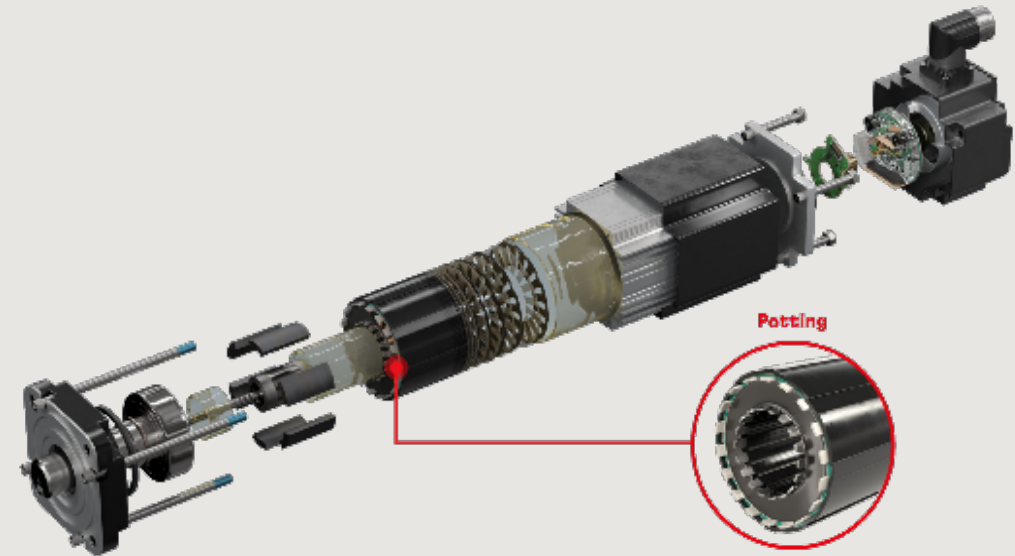
Sustainability Value

- **Solvent free, no VOC** produced during curing process
- Mitigate resource consumption through the utilization of **less abrasive materials**, thereby reducing equipment wear and facilitating **lower maintenance** requirements.

Leverage Henkel's broad technology portfolio and application know-how to strengthen your automotive electronics applications.



Henkel Adhesive Technologies





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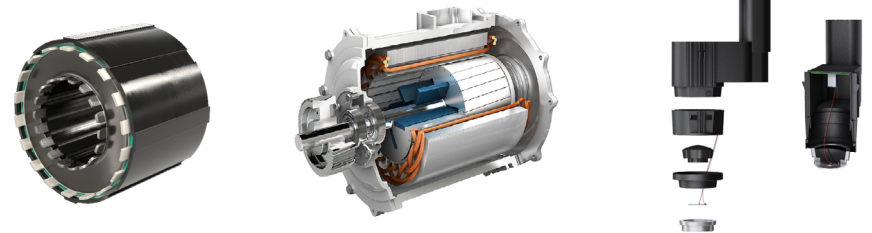
2k Epoxy thermal potting with excellent electric insulation for e-motors & sensors.

Product Properties

Items	Unit	Results
Mixed appearance	/	Grey to black
Mixed ratio	/	10:1
Mixed viscosity @ 60°C	Pa·s	1.88
Curing profile	/	90C/1h+130C/1h
Pot life, 80°C	min	60
Lap shear strength @ 25°C	MPa	14
Thermal conductivity	W/m·K	1.58
Shore D	Shore D	86
Tensile strength	MPa	18.98
CTE	ppm / K	25 (<T _g); 98 (>T _g)
T _g	°C	105
Volume Resistivity	ohm·cm	4.83E+14 @1000V
Breakdown voltage	KV/mm	22
REACH and RoHS compliant		Pass

AREAS OF APPLICATIONS

- Encapsulation of Motor Stators
- Transformer coils
- Transmission Actuators
- Sensors



AVAILABLE CONFIGURATIONS

- Part A-22 kg(Metal Pail) / Part B-10kg
- Part A-30kg (Plastic Pail) / Part B-10kg

Reach out to our experts to partner up for automotive and industrial electronics solutions.

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