

Technical Data Sheet



ASSEMBLY MATERIALS

Product Type: Non Conductive Adhesive

Product Name: NCA 9-9280

Description

NCA 9-9280 is a fast curing thermosetting, one-component, solvent-free, high flexible non-conductive adhesive epoxy, designed for the connection of bare dies and SMT components on lead frames, foils and low cost substrates at low temperatures.

Key Benefits

- Low temperature curing
- High volume production possible
- Snap curing system

Compliant Products

- Conductive Adhesive: PC3200 and PC3600 Series
- Non-conductive Adhesive: NCA 5, NCA 6, NCA 11

Applications

- Dispensing

Physical Properties

Pot Life (day)	Curing Profile	Substrate and Components
1	5 min / 90 °C 15 min / 80 °C	Flex PCB, flex lead frames, foils and temp. sensitive substrates. Solder resist, Ni/Au and Ag
Adhesion (N/mm ²) <i>Standard: DIN EN 1465</i>	Weight Loss during Curing Process at 150 °C (%)	Glass Transition Temperature (°C)
Max. 20	Max. 0.9	Approx. 29

Cleaning Instructions

The uncured adhesive can be removed with Zestron HC and other Zestron and Vigon cleaning materials. The cleaned parts must be completely dry before installing them in the machine. Defective components can be removed by heating the cured adhesive joint with hot air above 250°C. The hot remaining adhesive can be removed with a sharp tool.

Adhesive Conditioning

- Remove adhesive from freezer: Before opening the package leave it for at least 2 hours at room temperature so that adhesive heats up
- Do not open jar/cartridge while adhesive is cold to prevent condensation
- Do not use faster defrost systems

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Storage

- Store the adhesive in tightly-sealed containers and avoid exposure to high humidity and sunlight
- Store the cartridges with tip pointing downwards
- In cartridges: From the date of manufacture 12 months in a freezer at – 20 °C

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