

# CarboBond



**CarboBond** are electrically conductive, dual-component adhesives filled with carbon nanoparticles. The minimum specific electrical resistance that can be achieved is in the region of  $100\Omega\cdot\text{cm}$ .

Products of the **CarboBond** series are dual-component adhesives based on epoxy resin to which carbon nanoparticles are added to produce excellent electrical, thermal and mechanical properties. Variation of carbon composition and concentration allows fast and simple optimization for the particular purpose or application.

Products of the **CarboBond** series are notable especially for the following:

- adaptable electrical and mechanical properties,
- minimum specific electrical resistance about  $100\Omega\cdot\text{cm}$ ,
- good thermal conductivity,
- very good adhesion,
- adjustable viscosity.

**CarboBond** comes in different types for application by common methods (e.g. spraying, squeegee, silk screening).

The following **CarboBond** products are obtainable:

- epoxy resin/amine (RT, warm hardening),
- epoxy resin/anhydride (hot hardening).

**CarboBond** is especially suitable for the kind of adhesive application where electrical conductivity is of primary importance, e.g.

- current and heat conducting adhesion of CFP components,
- thermal adhesives in electronics,
- antistatic adhesives.

Matching hardener systems are obtainable for **CarboBond**.

