



Aremco-Bond 556

Description

Aremco-Bond 556 is a silver filled 2-K adhesive. It is solvent-free and characterised by its good electrical conductivity and chemical curing at room temperature.

Usage

Aremco-Bond 556 is ideal for bonding chips to hybrid micro-circuits, for mounting heat sensitive cells and for bonding ground wires.

This adhesive is especially useful in applications where conventional soldering is not possible, for example fixing copper wire to ceramic parts.

Technical Data

Characteristics	Aremco-Bond 556
Operating Temperature	170 °C Continuous 190 °C Intermittent
Particle Size	<0.02 mm
Mixing Ratio	1 : 1 by Weight
Spec. Weight	3.2 g/cm ³ mixed
Mixing viscosity	350 – 400 g/cm/s
Volume Resistivity	0.0009 Ohm/cm
Tensile Shear Strength	11.7 N/mm ²
Thermal Conductivity	2.2 W/m/K
Hardness	72 Shore D
Colour	Silver

Handling

- Clean the surfaces to be bonded of dirt, oil, grease, corrosive substances, oxides, paint or other foreign matter.
- Sandblasting or grinding the surfaces improves the final results.
- Mix Part A and Part B 1 : 1 by weight until you have a well-mixed homogeneous mass.
- The application is best done with a spatula or injector. Apply adhesive thinly and evenly to both surfaces.
- Join the two surfaces afterwards. An even layer of adhesive with a film thickness of less than 0.25 mm should be achieved.
- Pressed out adhesive can be easily removed with MEK.

Recommended Hardening

- 2 hours heat cure at 90 °C

Alternative Hardening

- 24 hours air cure at room temperature

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Wir haften nicht für Verarbeitungsergebnisse

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