

ALPHA[®] HiTech[®] CU31-3300

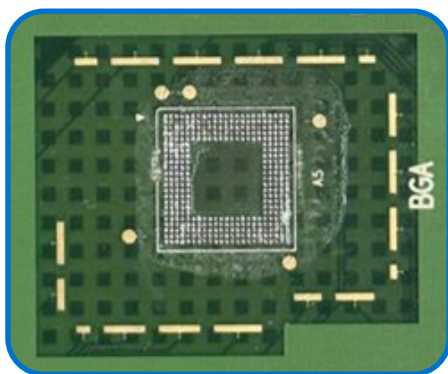
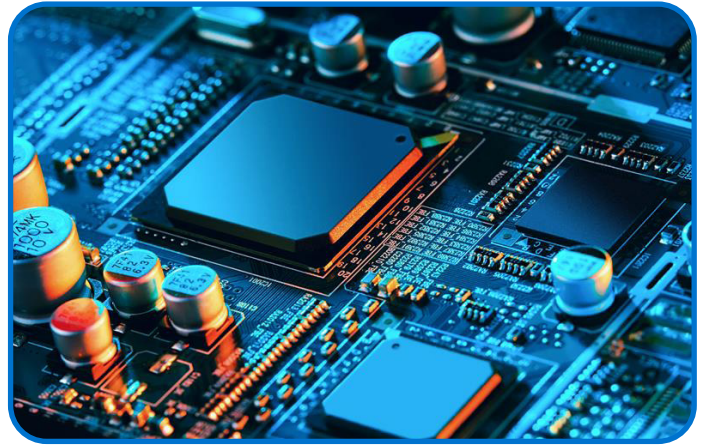
Second-Level High Reliability Reworkable Underfill

ALPHA HiTech CU31-3300 is reworkable underfill that provides an optimal balance, featuring a moderately high glass transition temperature (T_g) to prevent the damage caused by thermal fatigue.

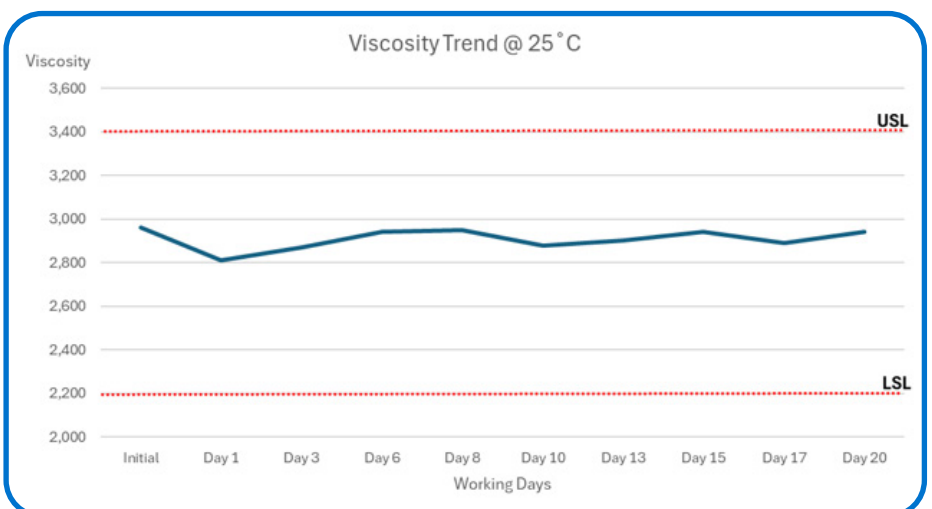
ALPHA HiTech CU31-3300 offers a superior pot life up to 20 days at room temperature, ensuring stable processing.

Key Features

- **High Impact Resistance** - Excellent resistance prevents damage and adhesion failure induced by mechanical shock and vibration
- **Easy Reworkable** - Reworkability enables reduced wastage, supporting organizations in meeting their sustainability goals
- **Long Pot-life** - A 20-day pot life supports a more stable processing window by keeping the material usable for longer



After Rework



ATROX[®] HiTech[®] CU31-3300

Second-Level High Reliability Reworkable Underfill

Process Benefit	Property	Performance Capability
Workability	Jetting performance	Excellent jetting performance
	Adhesion test	Excellent adhesion strength
	Pot-life stability	Excellent viscosity stability maintained for 20 days
Reworkability	Rework test	Easy rework with 350 °C
Thermomechanical Reliability	Thermal cycling test	Passed 1,400 cycles along with -40 °C +105 °C
Electrical Reliability	Resistivity test	Performed high insulation property
	Dielectric breakdown test	Excellent insulator performance
	Dielectric constant, Dissipation factor	Excellent dielectric constant and dissipation factor
Environmental	Halogen content	Halogen-free

