CHASE Electronic Coatings
We make a material difference

HumiSeal®

HumiSeal® 1E31-G Epoxy
Technical Data Sheet

Silver filled epoxy system to be used as a solder replacement. Quick cure providing excellent electrical conductivity, high temperature and chemical resistance.

APPLICATIONS
- Electrical Assembly
- Electronic Assembly

FEATURES
- One Component
- 30 Minute Heat Cure

SUBSTRATES
- Metals
- Ceramics
- Glass

Properties of HumiSeal® 1E31-G Liquid

Chemical Class	Epoxy
Viscosity (25 °C, sp. 7 @ 5 rpm, cps)	150,000 – 500,000
Specific Gravity at 25°C	3.25
Color	Silver
Cure Time @ 150 °C	30 minutes
Cure Type	heat cure
Shelf Life, DOM, stored at -20°C	6 months
Cleanup Solvent	Isopropyl alcohol

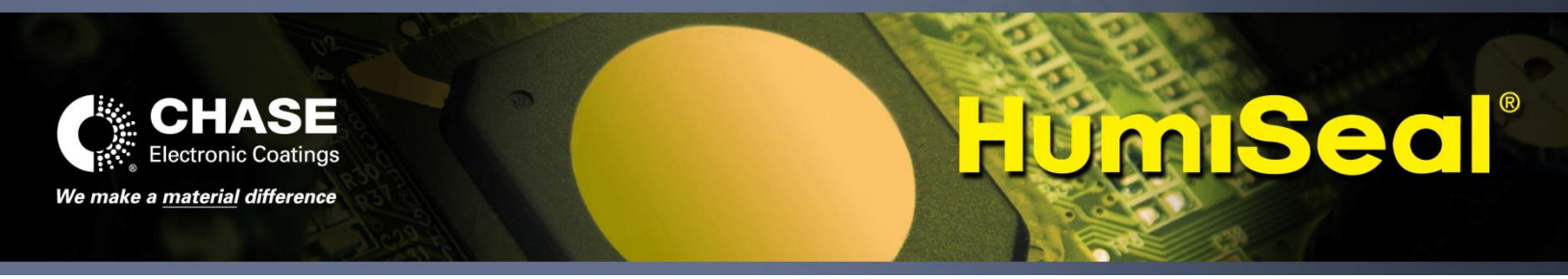
Properties of HumiSeal® 1E31-G Cured

Typical Hardness, Shore D	80
Glass Transition Temperature (Tg)	120
Lap Shear Strength, Al/Al, psi	720
Volumetric Resistivity, Ω*cm	3×10^{-4}

Storage
HumiSeal® 1E31-G should be stored frozen at -20°C in a tightly closed container

Caution
Application of HumiSeal® 1E31-G should be carried out in accordance with local and national health and safety regulations. Use only in well-ventilated areas to avoid inhalation of vapor. Avoid contact with skin and eyes.

Consult SDS prior to use.



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