

IN80/PB15/AG5 SOLDER ALLOY

FEATURES

- Recommended For Thick and Thin Film Gold
- Good Thermal Fatigue Resistance
- Low Temperature 145°C-149°C (293°F-300°F)

DESCRIPTION

In80/Pb15/Ag5 is composed of 80% indium, 15% lead, and 5% silver. This eutectic alloy offers a melting point between 145°C-149°C (293°F-300°F). Typical applications are microwave assembly and cryogenic devices. In80/Pb15/Ag5 alloy is available in solid wire, foil, preforms, powder and solder paste.

IMPURITY LEVELS TO IPC-J-STD-006 IN PERCENT

Impurity Levels To IPC-J-STD-006 In Percent					
Al: 0.005	Au: 0.05	Cd: 0.002	Fe: 0.02	Sb: 0.05	As: 0.03
Bi: 0.10	Cu: 0.08	Ni: 0.01	Sn: 0.25	Zn: 0.003	

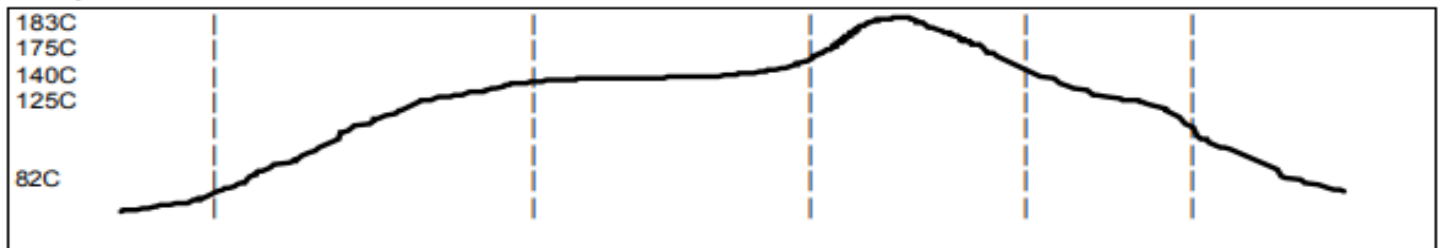
HANDLING & STORAGE

In80/Pb15/Ag5 has a shelf life of 3 years. This alloy should be stored in a dry temperature controlled room or in an inert atmosphere, as Indium will corrode in humidity. Any device used in high humidity applications, or with potential exposure to condensation, should be conformal-coated. This product contains lead, which is known to be a toxic element. Consult the Safety Data Sheet for specific handling procedures.

FLUX COMPATIBILITY

In80/Pb15/Ag5 is compatible with most electronic grade fluxes. Indium alloys should never be used with high-halide fluxes. Indium forms a mono-halide compound very quickly.

REFLOW DATA



Rate of Rise 2- 3°C/sec max	Preheat Ramp to 125°C (257°F)	Soak 125°C-140°C (257°F-284°F)	Peak Temperature 175°C-185°C 347°F-365°F	Time Above 149°C (300°F)	Cool Down </-4°C
	≤ 90 seconds	60-90 seconds		60 ± 15 seconds	

CLEANING

Refer to data sheets provided by flux manufacturer.

SAFETY

Use with adequate ventilation and proper personal protective equipment. Refer to the accompanying Safety Data Sheet for any specific emergency information. Do not dispose of any hazardous materials in non-approved containers.

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