



Version: 18 November 2019

INDIUM 9100

INDIUM ELECTROLYTE

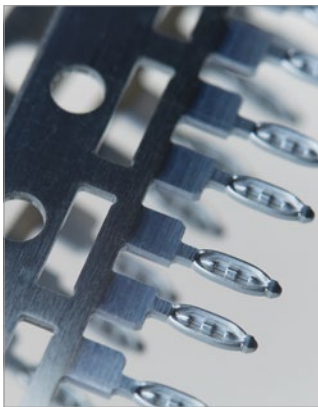


Photo: Possehl Electronics Deutschland GmbH, pretPin®

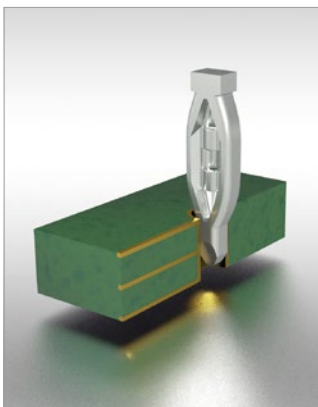


Photo: Possehl Electronics Deutschland GmbH, pretPin®

Acidic electrolyte for high speed installations

Indium 9100 is used for the deposition of pure indium coatings in high-speed systems. The electrolyte is easy to use.

Indium 9100 has been specially developed for high-speed deposition in selective coating and continuous strip lines. Strong electrolyte movement (flow, gating) enables working with high current densities and stable long-term behaviour.

The purest, deposited indium coatings can be soldered and remelted very well. They have a constantly low contact resistance. This makes the process ideal for coating electronic components which can be remelted after coating.

The Indium 9100 process meets all requirements for press-fit technology.

Advantages

- Acidic high speed electrolyte
- White, bright and uniform coatings
- RoHS compliant coatings
- Use in high speed systems
- Pure Indium coatings with excellent cold welding properties
- Very good remelting properties
- Can be used with indium or other insoluble anodes
- Very low whisker formation compared to pure tin
- Wide working window for all system types

Applications

- Press-fit technology for PCBs

INDIUM 9100

INDIUM ELECTROLYTE

TECHNICAL SPECIFICATIONS

Electrolyte characteristics		Coating characteristics	
Electrolyte type	acidic	Coating	Indium
Metal content	20 - 80 g/l	Purity	99.99 wt.% In
pH value	1.2 - 2.2	Colour of deposit	white
Operating temperature	50 (30 - 65) °C	Brightness	matt
Current density range (depends on system)	3 - 30 A/dm ²	Hardness of deposit HV 0.015 (Vickers) approx. values	< 1 HV
Plating speed	0.3 - 2 µm/min	Max. coating thickness	50 µm
Anode material	Indium 99.99 or MMO 187 SO	Density of the coating	7.31 g/cm ³

YOUR CONTACT

Do you have a specific question or would you like a no-obligation quote calculation?
Our specialist will be happy to help you with any technical questions you might have.



Markus Legeler
Manager Sales International

Mail: markus.legeler@eu.umicore.com
Phone: +49 (0) 7171 607 - 204

