

Continuous Alloy Innovation

Over 200 Alloys Available

High-reliability alloys available for InFORMS[®], preforms, and solder pastes



- Indalloy[®]51E (GalInSn)
- Indalloy[®]60 (GalIn)
- Indalloy[®]77 (GalIn)

Liquid Metal
for Thermal
Interface
<30°C



Low-Temperature/
Fusible Alloys
and Solders
30–210°C



- Indalloy[®]1E (InSn)
- Indalloy[®]4 (In)
- Indalloy[®]38 (BiPbSn)
- Indalloy[®]117 (BiPbInSnCd)
- Indalloy[®]227 (SnInAg)
- Indalloy[®]254 (SnInAg)
- Indalloy[®]281 (BiSn)
- Indalloy[®]282 (BiSnAg)
- Durafuse[®] LT **NEW**

- Indalloy[®]100 (SnPbAg)
- Indalloy[®]106 (Sn63)
- Indalloy[®]121 (SnAg)
- Indalloy[®]241 (SAC387)
- Indalloy[®]256 (SAC305)
- Indalloy[®]276 (SnAg+)
- Indalloy[®]291 (SnCu+)
- Durafuse[®] HR **NEW**

Traditional
Soldering
150–260°C



High-Temperature/
Soldering
230–360°C



- Indalloy[®]133 (SnSb)
- Indalloy[®]228 (Sn10)
- Indalloy[®]266 (HMP)
- Indalloy[®]292
- Durafuse[®] HT **NEW**

- Indalloy[®]182 (AuSn)
- Indalloy[®]183 (AuGe)
- Indalloy[®]193 (AgCu)
- Indalloy[®]200 (Au)

Au and Braze
Alloys
>280°C



Learn more: www.indium.com/solder-alloys Contact our engineers: askus@indium.com

From One Engineer To Another[®]

All of Indium Corporation's solder paste and preform manufacturing facilities are IATF 16949:2016 certified. Indium Corporation is an ISO 9001:2015 registered company.



Innovative Alloy Technologies

Available for InFORMS[®], preforms, and solder pastes



Improves Drop Shock Resistance

Durafuse[®] LT **NEW**

Innovative Low-Temperature Alloy Technology

- Two orders of magnitude better drop shock performance compared to Bi-containing low-temperature options
- Energy consumption reduced by 15%
- Enables complex processes and designs, such as step soldering, large temperature gradients, and fine feature printing
- Superior thermal cycling performance for fine-pitch and wafer-level CSP components

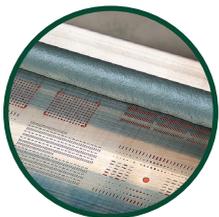


High-Performance Solder Preforms

Indalloy[®] 276

Improved Reliability for Power Electronics Substrate-Attach

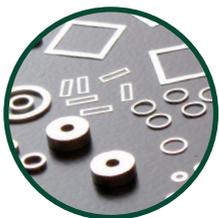
- Added Ag and Sb enables higher operating temperatures
- Compatible with InFORMS[®] technology



High-Reliability Automotive Alloy

Durafuse[®] HR **NEW**

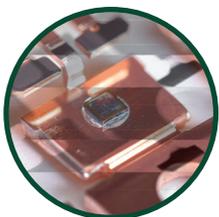
- Outstanding -40°C/125°C and -40°C/150°C and thermal cycling performance through 3,000+ cycles
- Lowest voiding high-reliability alloy system



High-Reliability Alloy

Indalloy[®] 133

- Proven higher temperature alloy
- Improved reliability over other common Sn-based alloys
- Excellent solderability and wetting
- Compatible with InFORMS[®] technology



Proven Fast Sintering

QuickSinter[®] **NEW**

Silver Sintering Paste

- >3 dots/second—consistent high-speed dispensing
- Controllable bondline thickness from 30–70µm
- Excellent joint strength
- Versatile sintering profiles
- Pressureless sintering solution with pressurized sintering capabilities
- Porosity: <30%*
- Voiding: <1%*

**Average on most application runs*

Learn more: www.indium.com/solder-alloys

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