

## Indium Corp. Indalloy® 183 Au-Ge Solder Alloy

Category : Metal , Nonferrous Metal , Precious Metal , Gold Alloy , Solder/Braze Alloy

**Material Notes:**

Eutectic die attach. Information provided by the manufacturer, Indium Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Indium-Corp-Indalloy-183-Au-Ge-Solder-Alloy.php](http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-183-Au-Ge-Solder-Alloy.php)

Physical Properties	Metric	English	Comments
Density	14.67 g/cc	0.5300 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	185 MPa	26800 psi	
Modulus of Elasticity	72.74 GPa	10550 ksi	
Shear Strength	185 MPa	26800 psi	Shear Bond Holding Strength

Thermal Properties	Metric	English	Comments
CTE, linear	13.0 Åµm/m-Å°C	7.22 Åµin/in-Å°F	
	@Temperature 20.0 Å°C	@Temperature 68.0 Å°F	
Thermal Conductivity	44.0 W/m-K	305 BTU-in/hr-ft <sup>2</sup> -Å°F	
	@Temperature 85.0 Å°C	@Temperature 185 Å°F	
Melting Point	356 Å°C	673 Å°F	Eutectic
Solidus	356 Å°C	673 Å°F	
Liquidus	356 Å°C	673 Å°F	

Component Elements Properties	Metric	English	Comments
Germanium, Ge	12 %	12 %	
Gold, Au	88 %	88 %	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China