

## Indium Corp. Indalloy 200 Pure Gold

Category : Metal , Nonferrous Metal , Precious Metal , Gold Alloy , Pure Element

Material Notes:

Information Provided by Indium Corporation

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Indium-Corp-Indalloy-200-Pure-Gold.php](http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-200-Pure-Gold.php)

| Physical Properties | Metric    | English                  | Comments |
|---------------------|-----------|--------------------------|----------|
| Density             | 19.3 g/cc | 0.697 lb/in <sup>3</sup> |          |

| Mechanical Properties     | Metric    | English   | Comments |
|---------------------------|-----------|-----------|----------|
| Tensile Strength at Break | 138 MPa   | 20000 psi |          |
| Elongation at Break       | 39 - 45 % | 39 - 45 % | 2in.     |
| Modulus of Elasticity     | 77.2 GPa  | 11200 ksi |          |

| Thermal Properties     | Metric                | English                 | Comments |
|------------------------|-----------------------|-------------------------|----------|
| CTE, linear            | 14.0 Âµm/m-Â°C        | 7.78 Âµin/in-Â°F        |          |
|                        | @Temperature 20.0 Â°C | @Temperature 68.0 Â°F   |          |
| Specific Heat Capacity | 0.130 J/g-Â°C         | 0.0311 BTU/lb-Â°F       | Solid    |
| Thermal Conductivity   | 318 W/m-K             | 2210 BTU-in/hr-ftÂ²-Â°F |          |
|                        | @Temperature 85.0 Â°C | @Temperature 185 Â°F    |          |
| Melting Point          | 1064 Â°C              | 1947 Â°F                |          |
| Solidus                | 1064 Â°C              | 1947 Â°F                |          |
| Liquidus               | 1064 Â°C              | 1947 Â°F                |          |

| Component Elements Properties | Metric | English | Comments |
|-------------------------------|--------|---------|----------|
| Gold, Au                      | 100 %  | 100 %   |          |

| Electrical Properties  | Metric            | English           | Comments |
|------------------------|-------------------|-------------------|----------|
| Electrical Resistivity | 0.00000230 ohm-cm | 0.00000230 ohm-cm |          |

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