

Indium

High Purity Metal

Characteristics

- ✓ Very ductile
- ✓ Very soft and malleable
- ✓ Low vapor pressure
- ✓ Ductile and malleable
- ✓ Good conductivity

Quick Facts

Molecular Formula	:	In
Molecular Weight	:	114.82 g/mol
Density	:	7.31 g/cm ³
Melting Point	:	156.61 °C
Boiling Point	:	2000 °C
Thermal Conductivity	:	0.818 W/(mK)
Thermal Expansion	:	32.1 μm/(mK) (at 25 °C)
Young's Modulus	:	11 GPa
Specific Heat	:	0.056 Cal/g/K @ 25 °C
Electronegativity	:	1.7 Paulings

Purity : 99.9%

High Purity

Indium

Available in:

Pieces | Rods | Shots | Chips | Pellets | Wires | Ingots | Bars | Granules

Indium is a chemical element with the symbol In and atomic number 49. Indium is the softest metal that is not an alkali metal. It is a silvery-white metal that resembles tin in appearance. Indium is a soft, ductile, malleable, lustrous metallic metal with silvery white color which is used in the semiconductor industry, in low-melting- point metal alloys such as Lead-free solders. Indium is similar to gallium and thallium, and it is largely intermediate between the two in terms of its properties.

Benefits of Nickel

- ✓ (ITO) as the coating in flat panel display devices
- ✓ Liquid crystal displays
- ✓ Plasma display devices and field emission devices
- ✓ Used in plating for bearings
- ✓ Alloys for solders, fusible alloys
- ✓ Nuclear control rods and dental alloys
- ✓ Used in compounds for phosphors and semiconductors
- ✓ Uses include batteries and radioisotopes
- ✓ Surface preparation for painting or coating
- ✓ Surface finishing non-ferrous components
- ✓ Removing ceramic from investment castings



49
In
114.818

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