



## Product Data Sheet

### Indium (In)

Indium is a soft, metallic, ductile minor metal. Indium has a very low melting point making it easy to work with. Indium has many semiconductor applications such as indium antimonide (InSb), indium phosphide (InP), and indium arsenide (InAs). Indium is also used in photovoltaics as the semiconductor copper indium gallium diselenide (CIGS).

General	
Name	Indium
Symbol	In
Number	49
Standard atomic weight	114.82 g·mol <sup>-1</sup>
Solid Density (near r.t.)	7.31 g·cm <sup>-3</sup>
Liquid density at m.p.	7.02 g·cm <sup>-3</sup>
Melting point	156.6°C (313.8°F)
Forms Available	500g, 750g, and 1kg bars
Other Forms	1 – 5 mm shot

Typical Impurity Levels (GDMS)	
Element	6N5 Grade (ppb/mass)
Mg	<1
Al	<1
Si	<10
S	<5
Fe	<5
Ni	<5
Cu	<10
Zn	<5
Ga	<2
Ge	<5
As	<2
Cd	<25
Sn	<50
Tl	<25
Pb	<150
Bi	<5
Sb	<100
7N available soon (<100ppb/mass)	

Fenix Advanced Materials Inc. uses a three stage, proprietary purification process that routinely produces 6N (99.9999%), 6N5 (99.99995%), and 7N (99.99999%) pure indium in various forms (bars and shot).

All of our 6N, 6N5, and 7N indium is qualified using Glow Discharge Mass Spectrometry (GDMS) provided and certified by the National Research Council Canada (NRC). This ensures that our customers receive the product they have specified with complete traceability to a national standard.

Fenix also has the ability to remove select impurities and provide custom forms for customers requiring precise indium specifications.