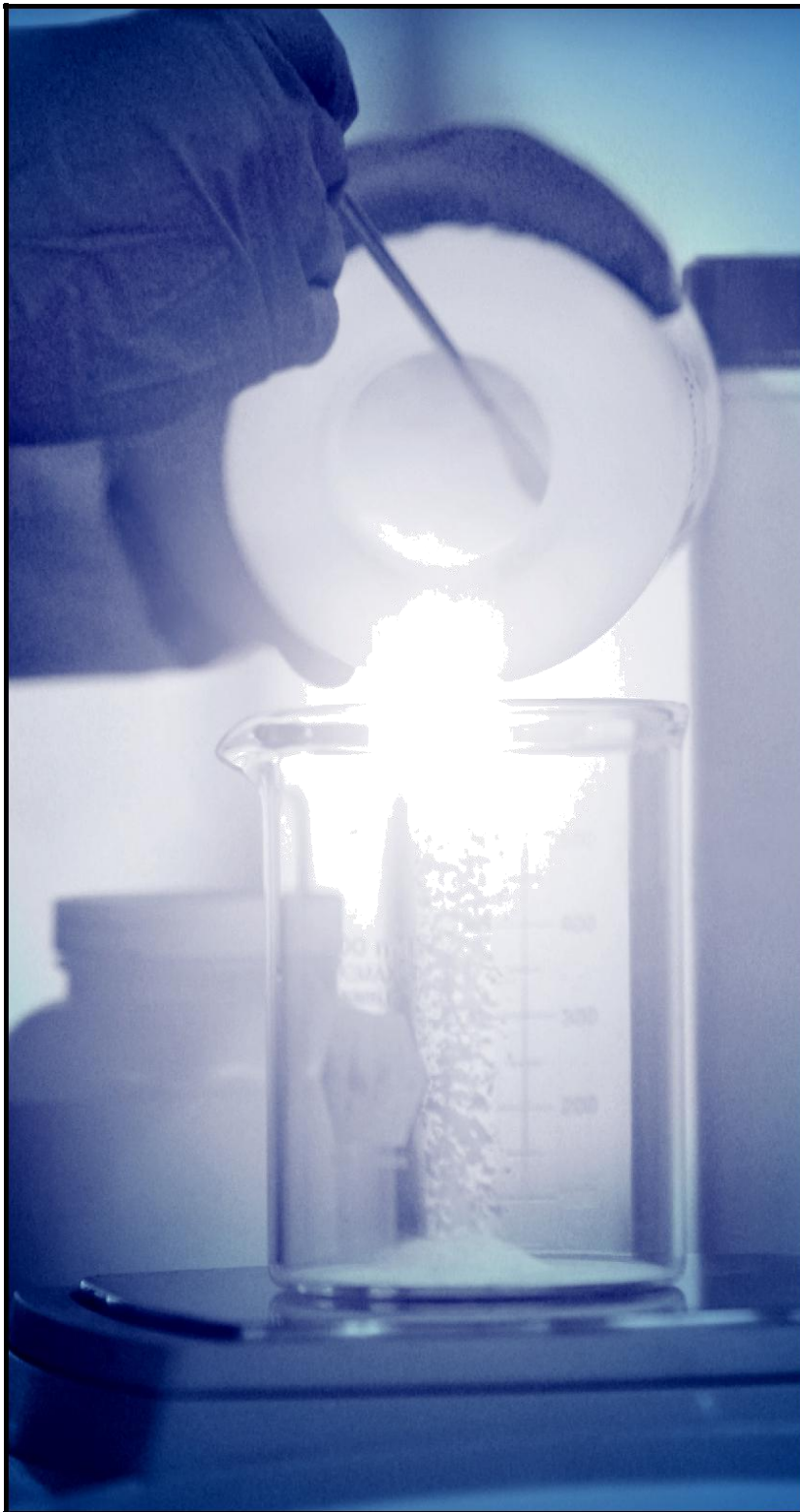


Indium Gallium Zinc Oxide IGZO Sputtering Targets



Advanced Engineering Materials



Applications

- Flat-panel displays

Features

- High purity
- Custom Sizes Available

Process

- Manufacturing
 - Cold pressed
 - Sintered
 - Indium bonded to backing plate
- Rolled and annealed
- Cleaning and final packaging
 - Cleaned for use in vacuum
 - Protection from environmental contaminants
 - Protection during shipment

Options

- 99.99% Minimum Purity
- Up to 12.0" Diameter Targets Available
- Planar Tiles Up to 8" X 5" for Larger Target Configurations
- Offer InGaZnO_4 and $\text{In}_2\text{Ga}_2\text{ZnO}_7$
- Custom Stoichiometries Available Upon Request

Specifications

Typical Analysis - 99.99% (4N) Purity

Metallic Impurities, ppm by weight

| Cd | Cu | Ni | Pb | Sn |
|----|----|----|----|-----|
| <5 | <5 | <5 | <5 | <50 |

| | |
|--|------------------------|
| InGaZnO ₄ Theoretical Density | 6.12 g/cc |
| In ₂ Ga ₂ ZnO ₇ Theoretical Density | 6.5 g/cc |
| InGaZnO ₄ Typical Density | >5.2 g/cc |
| In ₂ Ga ₂ ZnO ₇ Typical Density | >5.5 g/cc |
| Appearance | White/Beige/Grey/Green |
| Particle Size | D50 |

Advanced Engineering Materials

E-mail: sales@aemproduct.com

Tel: +86-731-84472418

+86-18175985920

Website: www.aemdeposition.com

Address: Rm. 408, Building 1, No. 31, Yinshan Road
Yuelu District, Changsha, Hunan 410013