

Technical Data Sheet

Indium Oxide Sputtering Target

Product ID: 490800ST001 - 490800ST011

Formular: In_2O_3

Molecular weight: 277.63 g/mol

CAS No.: 1312-43-2

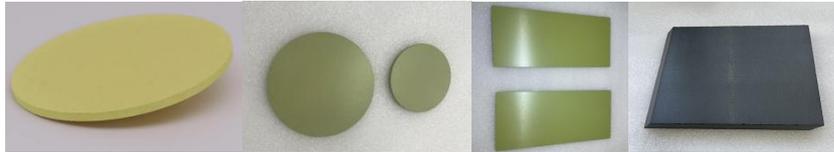
EINECS No.: 215-193-9

Color: Yellow/Green/Black

Description: Our indium oxide sputtering targets typically have a purity of $\geq 99.99\%$, with customized sizes available upon request. They offer excellent transparent conductivity, uniform thin-film deposition, and stable chemical properties.

Application: Displays, photovoltaic cells, Low-E glass coatings, and optoelectronic devices.

**Product
Image:**



1. Sizes

| Product ID | Formular | Size | Color |
|-------------|----------------------------------|------------------------|--------------------|
| 490800ST001 | In_2O_3 (99.99%) | Ø 50.8mm x 3.175mm | Yellow/Green/Black |
| 490800ST002 | In_2O_3 (99.99%) | Ø 50.8 mm x 6.35 mm | Yellow/Green/Black |
| 490800ST003 | In_2O_3 (99.99%) | Ø 76.2mm x 3.175mm | Yellow/Green/Black |
| 490800ST004 | In_2O_3 (99.99%) | Ø 101.6 mm x 4 mm | Yellow/Green/Black |
| 490800ST005 | In_2O_3 (99.99%) | Ø 101.6 mm x 6.35 mm | Yellow/Green/Black |
| ... | ... | ... | ... |
| 490800ST011 | In_2O_3 (99.99%) | 600 mm x 100 mm x 8 mm | Yellow/Green/Black |
| 490800STDZ | In_2O_3 (99.99%) | Customized | Yellow/Green/Black |

2. Chemical compositions

| Element Typical Value Purity | Metal impurities (ppm) | | | | | |
|---------------------------------------|------------------------|------|-----|------|------|-----|
| | Mg | Cu | Mn | Cr | Fe | Na |
| 99.99% | ≤ 10 | ≤ 20 | ≤ 5 | ≤ 20 | ≤ 20 | ≤ 5 |

Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.

3. Packaging

Carton/wooden box outer bag.
Double vacuum inner bag.

4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

When using, wear a dust mask, ensure proper ventilation, avoid inhalation or skin/eye contact.

Stored in a cool, dry and well-ventilated area, and follow proper procedures for disposal and cleaning to maintain material integrity and safety.

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