

# Gallium (III) Oxide

(Ga<sub>2</sub>O<sub>3</sub>)

Formula Weight	187.44g/mol
Density	6.44g/cm <sup>2</sup>
Melting Point	1,900°C

d50 (micron)	d90 (micron)	BET (m <sup>2</sup> /g)
1.8-2.7	2.9-4.4	8.0-13.0

Form	White Powder
Purity*	99.99%
Gallium Content	74.27%
Crystal Structure	β-phase (dominant)

\* Please contact us for the compound with controlled impurities

## Packaging

- PE Bottle: 40g – 500g, 1kg, 2kg
- Plastic Pail: 5kg, 10kg, 20kg
- Plastic Drum: 25kg, 50kg and up

## Applications

- Wide-bandgap semiconductor material
- Phosphors
- Cathodes for solid oxide fuel cells
- Piezo-electric crystals
- GGG crystals and IGZO targets for displays



Buy now!



**INDIUM**  
CORPORATION®

# Products from Indium Corporation



## Gallium Compounds

- EZ-Pour<sup>®</sup> Gallium Trichloride— $\text{GaCl}_3$
- Gallium Oxide— $\text{Ga}_2\text{O}_3$
- Gallium Acetylacetonate— $\text{Ga}(\text{C}_5\text{H}_7\text{O}_2)_3$

## Indium Compounds

- Indium Acetate— $\text{In}(\text{CH}_3\text{COO})_3$
- Indium Trichloride— $\text{InCl}_3$
- Indium Nitrate— $\text{In}(\text{NO}_3)_3$
- Indium Oxide— $\text{In}_2\text{O}_3$
- Indium Tin Oxide— $(\text{In}_2\text{O}_3):(\text{SnO}_2)$
- Indium Sulfate— $\text{In}_2(\text{SO}_4)_3$
- Indium Sulfide— $\text{In}_2\text{S}_3$
- Indium Hydroxide— $\text{In}(\text{OH})_3$
- Indium Sulfamate Plating Solution

## Ultra-High Purity Metals and Reclaim

- Indium • Gallium • Germanium • Tin
- Ingots, bars, shots, balls, wire, ribbons, syringes, etc....

## And hundreds of Alloys based on Indium, Gallium, Bismuth, Lead and Tin



**Scan to learn more!**

Contact our engineers:  
[askus@indium.com](mailto:askus@indium.com)

*This pocket card is for general information only.  
To learn more about our products and to request COAs,  
please contact us today.*