

# COPPER INDIUM Gallium Selenide CORE SHELL >99.9%

(Purity)



Stock no:  
**NS6130-12-000762**

## CHEMICAL IDENTIFIERS

Purity	:	>99.9%
Chemical name	:	$\text{CuIn}_x\text{Ga}_{(1-x)}\text{Se}_2$
APS	:	100nm
Density	:	5.7 g/cm <sup>3</sup>
Melting Point	:	990-1070 °C

Chalcopyrite copper-indium-gallium-diselenide (CIGS) nanoparticles are useful for photovoltaic applications. Chalcopyrite semiconductors have recently attracted intense interest due to their appropriate band gaps and high absorption coefficients, which are ideal for solar cell applications. Recent studies have demonstrated efficiencies as high as 20.3% in thin-film copper-indium-gallium-diselenide (CIGS)-based solar cells

## Applications

- ✓ Thin Film Deposition
- ✓ Solar cells



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20ZICE4589C



19ZAZGO1274G



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