

CIGS and CIGS Component Materials

The Materion Advanced Materials family of experts manufactures specialty CIGS (copper-indium-gallium-selenide) materials to meet your individual specifications. With total quality control and flexible manufacturing environments, materials are produced to support evolving advancements in the Photovoltaic solar market. Standard and custom compositions, as well as individual component elements, are available in several forms, including sputtering targets, evaporation piece, and powders.

Fully Characterized Materials

Customized Manufacturing

Complete Reproducibility

Product Specialization



Material	Type	Purity (%)
Cu-In-Ga-Se	target	99.99
	6 mm pcs. & less	99.99
	-140 mesh	99.99
CuInSe ₂	6 mm pcs. & less	99.99
Cu/Ga	target ≤50 at% Ga	99.99
Cu ₂ Se	target	99.5
	6 mm pcs. & less	99.5
CuSe	6 mm pcs. & less	99.5
In ₂ Se ₃	target	99.9
	6 mm pcs. & less	99.99
Ga ₂ Se ₃	6 mm pcs. & less	99.999
Cu	6 x 6 mm pellets	99.99*
	3 x 3 mm pellets	99.99*
	2-6 mm shot	99.99-99.999*
	-20, +50 mesh	99.95*
Ga	3 mm shot	99.99-99.999
Se	3 mm shot	99.99, 99.999*

* Vacuum Deposition Grade