

Iodargyrite (Iodyrite) - AgI

Hardness: 1.5 - 2. Cleavage: Perfect. Insoluble in water or dilute HNO_3 . Decomposed by hot concentrated acids including HNO_3 and H_2SO_4 . Slightly soluble in concentrated KI, hot concentrated NaCl and NH_3 . Soluble in $\text{Na}_2\text{S}_2\text{O}_3$ (a dithionite decomposition product). Photosensitive; turns dark over time (reduction to silver metal) when exposed to light.

References

Mindat: <https://www.mindat.org/min-2037.html>

Handbook of Mineralogy: <https://www.handbookofmineralogy.org/pdfs/iodargyrite.pdf>

Sinkankas, J. (1972) Gemstone & Mineral Data Book, 346 p. Winchester Press, New York.