

Hercynite - $\text{Fe}^{2+}\text{Al}_2\text{O}_4$

Hardness: 7.5. Cleavage: No data. Brittle. Insoluble in water, HCl, HNO₃ or H₂SO₄ (Deeson reports soluble with difficulty in concentrated H₂SO₄).

Varieties/related species (treat same as hercynite): Chromohercynite, picotite (aka chrome spinel; Crawford indicates slightly soluble in H₂SO₄).

References

Mindat: <https://www.mindat.org/min-1875.html>

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

Crawford, J. (2009) Solubility data on 646 common and not so common minerals.

www.mindat.org/article.php/553/

Deeson, A., Ed. (1973) The Collector's Encyclopedia of Rocks & Minerals, 288 p. Clarkson N. Potter, Inc., New York.