

## Wulfenite - Pb(MoO<sub>4</sub>)

Hardness: 2.5 - 3. Cleavage: Distinct/good. Brittle. Poisonous. Tolerates sonication; blockier crystals more so than thin, tabular crystals. Insoluble in water. Slowly attacked by HCl or HNO<sub>3</sub>; may be attacked to some extent (luster loss) by other acids. Decomposed by concentrated H<sub>2</sub>SO<sub>4</sub>. Soluble in KOH. Stable to any dithionite recipe. Attacked by NH<sub>4</sub>HF<sub>2</sub>; luster reduced. Develops yellow to deep brown coating in hours with bleach. Insoluble in methanol, ethanol, isopropanol or acetone.

### References

Mindat: <https://www.mindat.org/min-4322.html>

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

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