

## Pyromorphite - $\text{Pb}_5(\text{PO}_4)_3\text{Cl}$

Hardness: 3.5 - 4. Cleavage: Poor/indistinct. Fragile; brittle. Poisonous. Some samples suffer luster loss when treated with Iron OUT/EDTA; Jacquard Hydro may be a viable alternative. Soluble in  $\text{HNO}_3$ . Attacked to some extent by other acids. Avoid detergents, soaps,  $\text{NH}_3$  and other alkaline solutions.

### References

Mindat: <https://www.mindat.org/min-3320.html>

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

DeMouthe, J. (2017) Care and Documentation of Mineral Collections, 94 p. Mineralogical Society of America, Chantilly, Virginia.

King, R. (1983) The care of minerals section 2: The development of minerals. Journal of the Russell Society, 1 (2), 54–77.

Hardinger, S. (2025) Mineral Specimen Cleaning and Development for the Amateur, 339 p.

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