

Ashburtonite - $\text{Pb}_4\text{Cu}_4(\text{Si}_4\text{O}_{12})(\text{HCO}_3)_4(\text{OH})_3\text{Cl}\cdot\text{H}_2\text{O}$

Hardness: No data. Cleavage: None observed. Very brittle. Readily soluble in HCl. Soluble with difficulty in H_2SO_4 or oxalic acid. May be sensitive to other acids, NH_3 or dithionite.

References

Mindat: <https://www.mindat.org/min-388.html>

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

Duthaler, R. and Weiß, S. (2024) Mineral Cleaning for Collectors, 3rd Edition, 190 p. Duthaler, Switzerland.