

Bornemanite - $\text{Na}_6\text{BaTi}_2\text{Nb}(\text{Si}_2\text{O}_7)_2(\text{PO}_4)\text{O}_2(\text{OH})\text{F}$

Hardness: 3.5–4. Cleavage: Perfect. Brittle. Attacked by HCl, H₂SO₄ or oxalic acid. May be sensitive to other acids.

References

Mindat: <https://www.mindat.org/min-725.html>

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

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