

Hellandite group - $(\text{Ca,REE})_4\text{Y}_2\text{Al}\square_2(\text{B}_4\text{Si}_4\text{O}_{22})(\text{OH})_2$

Hardness: 4.5 - 6.5. Cleavage: Indistinct. May be radioactive. Soluble in HCl.

A group of minerals in which Y, Ce and Yb may replace each other. Data given for hellandite-Y.

References

Mindat: <https://www.mindat.org/min-6987.html>

Handbook of Mineralogy: <https://www.handbookofmineralogy.org/pdfs/Hellandite-Y.pdf>

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