

Gadolinite group - $\text{Y}_2\text{Fe}^{2+}\text{Be}_2\text{Si}_2\text{O}_{10}$

Hardness: 6.5 - 7. Cleavage: No data. Frequently radioactive. May be sensitive to thermal shock. Attacked by warm concentrated HCl with gel formation. Attacked by H_3PO_4 , HNO_3 or H_2SO_4 . Brown coatings usually cannot be removed without destroying the mineral.

A group of minerals whose members are expected to have similar properties. Data given here is for gadolinite-(Y).

References

Mindat: <https://www.mindat.org/min-1628.html>

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

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