

Xenotime group - Y(PO₄)

Hardness: 4 - 5. Cleavage: Imperfect/fair. May be radioactive. Inert to acids (but Rohner reports sensitivity to HNO₃, HCl or H₂SO₄). Stable to 15% HCl and hot oxalic acid.

A group of similar minerals differing in REE content, expected to have similar physical and chemical properties. Data given here is for xenotime-(Y).

References

Mindat: <https://www.mindat.org/min-6613.html>

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

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

Rohner, T. (2000) Properly clean minerals online cleaning book.

www.strahlen.org/stepbystep/mineralien-reinigung2.pdf. In German.

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