

Pumpellyite (Lotrite) group -

$\text{Ca}_2\text{Fe}^{2+}\text{Al}_2[\text{Si}_2\text{O}_6\text{OH}][\text{SiO}_4](\text{OH})_2(\text{OH})$

Hardness: 5. Cleavage: No data. Very slowly soluble in warm concentrated H_2SO_4 . Inert to HCl . Sinkankas states "attacked by acids, especially HCl ."

A group of related minerals expected to have similar physical and chemical properties. Data given here for pumpellyite- (Fe^{2+}) .

References

Mindat: <https://www.mindat.org/min-3305.html>

Handbook of Mineralogy: <https://www.handbookofmineralogy.org/pdfs/pumpellyite-Fe2+.pdf>

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