

Bastnäsite group - $\text{Ce}(\text{CO}_3)\text{F}$

Hardness: 4–4.5. Cleavage: Poor/indistinct. Insoluble in water. Very slowly attacked by cold acids, more rapidly by warm, especially H_2SO_4 . May be attacked by derusting formulations containing EDTA or citrate (Iron OUT, Waller's solution or Bridge's solution). Tolerates Jacquard Hydro. Less sensitive to acids than calcite or strontianite.

A group of similar minerals differing in REE substitution and expected to have similar physical and chemical properties. Formula given is for bastnäsite-(Ce).

References

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