

Kyanite (Cyanite; Disthen) - $\text{Al}_2(\text{SiO}_4)\text{O}$

Hardness: 5.5 - 7. Cleavage: Perfect. Brittle; easily splinters along c-axis. Avoid metal tools. May be sensitive to sonication. Excellent chemical resistance to common mineral cleaning chemicals. Insoluble in water or HCl. (Rohner reports sensitivity to H_3PO_4 , HNO_3 , HCl and H_2SO_4 .) For derusting tolerates Iron OUT and oxalic acid. Attacked slowly by NH_4HF_2 ; use caution and limit exposure.

References

Mindat: <https://www.mindat.org/min-2303.html>

Handbook of Mineralogy: <https://www.handbookofmineralogy.org/pdfs/kyanite.pdf>

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

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