

## Serpentine group - $\text{Ca}_4[\text{Mg}_6\text{Al}_6]\text{O}_4[\text{Si}_6\text{B}_3\text{Al}_3\text{O}_{36}]$

Hardness: 3.5 - 4. Cleavage: Distinct/good. Very slowly decomposed by concentrated HCl or  $\text{H}_2\text{SO}_4$ . Attacked by cold saturated citric acid. Tolerates Iron OUT/EDTA.

A group of related minerals, including antigorite and chrysotile, expected to have similar physical and chemical properties. Data given here is for antigorite.

### References

Mindat: <https://www.mindat.org/min-260.html>

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

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

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

[www.strahlen.org/stepbystep/mineralien-reinigung2.pdf](http://www.strahlen.org/stepbystep/mineralien-reinigung2.pdf). In German.

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