

Braunite - $\text{Mn}^{2+}\text{Mn}^{3+}_6(\text{SiO}_4)\text{O}_8$

Hardness = 6 - 6.5. Cleavage: Perfect. Tolerates water. Soluble in HCl with gel formation.

References

Mindat: <https://www.mindat.org/min-757.html>

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

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

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