

Preobrazhenskite - $\text{Mg}_3\text{B}_{11}\text{O}_{15}(\text{OH})_9$

Hardness: 4.5 - 5. Cleavage: No data. Insoluble in water.

References

Mindat: <https://www.mindat.org/min-3280.html>

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

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