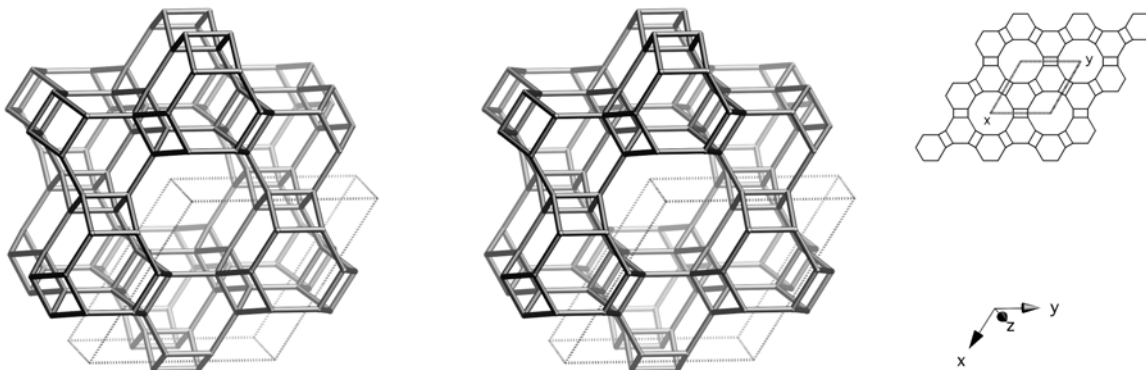


Framework Type Data



framework viewed along [001] (upper right: projection down [001])

Idealized cell data: hexagonal, $P6_3/mmc$, $a = 12.5\text{\AA}$, $c = 5.3\text{\AA}$

Coordination sequences and vertex symbols:

$T_1(12,m)$ 4 10 20 34 54 78 104 134 168 210

4·6·4·6·6·6

Secondary building units: 12 or 6 or 4

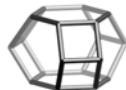
Framework description: AB sequence of 6-rings

Composite building units:

dzc

can

*double zigzag
chain*



Materials with this framework type:

*Cancrinite^(1,2)

[Al-Ge-O]-CAN⁽³⁾

[Co-P-O]-CAN⁽⁴⁾

[Ga-Ge-O]-CAN⁽⁵⁾

[Ga-Si-O]-CAN⁽⁶⁾

[Zn-P-O]-CAN⁽⁷⁾

ILi-CsI[Al-Si-O]-CAN⁽⁸⁾

ILi-TlI[Al-Si-O]-CAN⁽⁸⁾

Basic cancrinite^(9,10)

Cancrinite hydrate⁽¹¹⁾

Davyne⁽¹²⁾

ECR-5⁽¹³⁾

Microsommite⁽¹⁴⁾

Synthetic cancrinite⁽¹⁵⁾

Tiptopite⁽¹⁶⁾

Vishnevite⁽¹⁷⁾

Type Material: Cancrinite

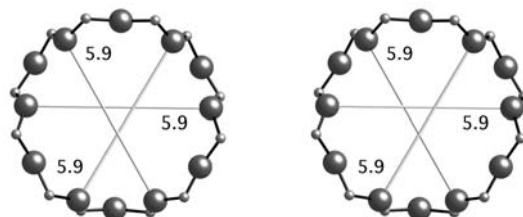
CAN

Type Material Data

Crystal chemical data: $\text{[Na}_6\text{Ca (H}_2\text{O)}_2\text{ CO}_3\text{] [Al}_6\text{Si}_6\text{O}_{24}\text{]-CAN}$
hexagonal, $P6_3$, $a = 12.75\text{\AA}$, $c = 5.14\text{\AA}$ ⁽²⁾

Framework density: 16.6 T/1000 \AA^3

Channels: [001] 12 5.9 x 5.9*



12-ring viewed along [001]

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