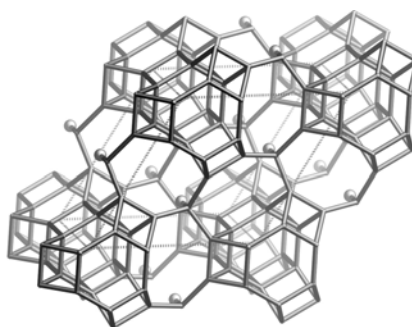
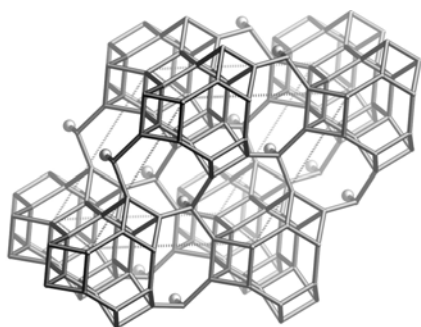


Framework Type Data



framework viewed along [001]

Idealized cell data: hexagonal, $P\bar{6}2m$, $a = 13.6\text{\AA}$, $c = 7.6\text{\AA}$

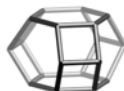
Coordination sequences and vertex symbols:

$T_1 (12,1)$	4	9	16	27	46	73	102	129	157	191	$4\cdot4\cdot4\cdot6\cdot6\cdot10_2$
$T_2 (6,m)$	4	9	19	34	49	67	94	125	157	195	$4\cdot8\cdot4\cdot8\cdot6\cdot8_2$
$T_3 (2,-6)$	3	9	21	36	53	69	90	119	156	201	$8_2\cdot8_2\cdot8_2$

Secondary building units: see *Compendium*

Composite building units:*dsc**d6r**can*

*double sawtooth
chain*

**Materials with this framework type:**

*Wenkite^(1,2)

Type Material: Wenkite

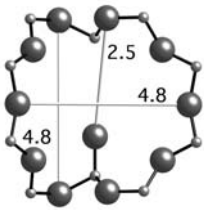
-WEN

Type Material Data

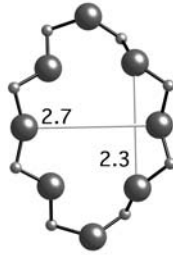
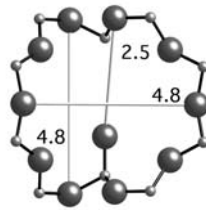
Crystal chemical data: $\text{[Ba}_4(\text{Ca,Na}_2)_3\text{H}_2\text{O}(\text{SO}_4)_3\text{] [Al}_8\text{Si}_{12}\text{O}_{39}(\text{OH})_2\text{]-WEN}$
hexagonal, $P62m$, $a = 13.511\text{\AA}$, $c = 7.462\text{\AA}$ ⁽²⁾

Framework density: 17 T/1000 \AA^3

Channels: $\langle 100 \rangle$ 10 2.5 x 4.8** \leftrightarrow $[001]$ 8 2.3 x 2.7*



10-ring viewed along $\langle 100 \rangle$



8-ring viewed along $[001]$

References:

- (1) Wenk, H.-R. *Z. Kristallogr.*, **137**, 113-126 (1973)
- (2) Merlino, S. *Acta Crystallogr.*, **B30**, 1262-1266 (1974)