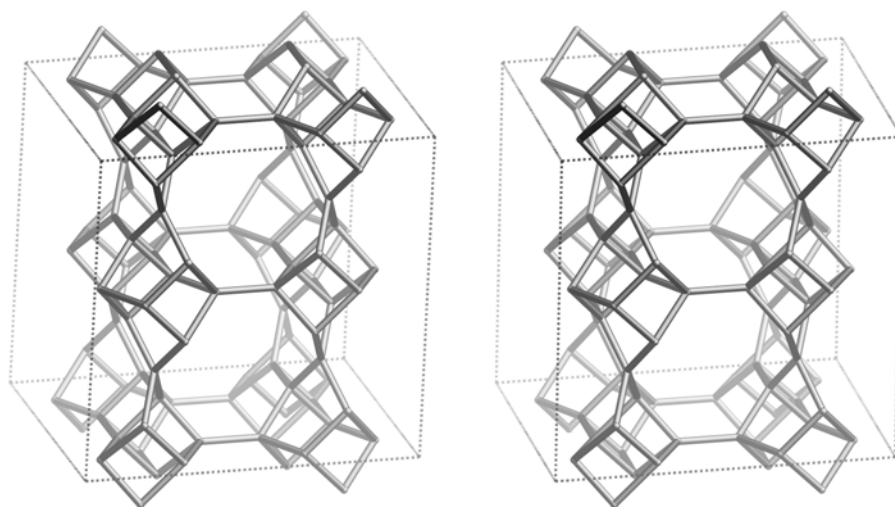


Framework Type Data



framework viewed along [100]

Idealized cell data: orthorhombic, *Fmmm*, $a = 13.5\text{\AA}$, $b = 17.8\text{\AA}$, $c = 17.9\text{\AA}$

Coordination sequences and vertex symbols:

$T_1 (32,1)$	4	10	20	34	57	82	103	138	181	220	$4\cdot5\cdot4\cdot6\cdot5\cdot6_2$
$T_2 (16,m)$	4	11	20	36	57	78	109	140	176	222	$4\cdot8\cdot5\cdot8_2\cdot5\cdot8_2$
$T_3 (16,m)$	4	9	17	35	57	77	103	138	188	225	$4\cdot5\cdot4\cdot5\cdot4\cdot8$
$T_4 (8,222)$	4	12	18	34	58	82	112	130	172	228	$5_2\cdot5_2\cdot6\cdot6\cdot10\cdot10$

Secondary building units: 4-4=1

Composite building units:

sti

bre



Materials with this framework type:

*Stilbite⁽¹⁻³⁾

Barrerite⁽⁴⁾

Stellerite⁽⁵⁾

Synthetic barrerite⁽⁶⁾

Synthetic stellerite⁽⁶⁾

Synthetic stilbite⁽⁷⁾

TNU-10⁽⁸⁾

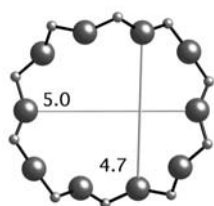
Type Material: Stilbite

Type Material Data

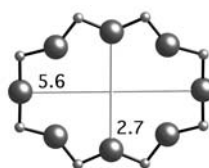
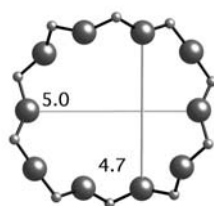
Crystal chemical data: $[\text{Na}_4\text{Ca}_8(\text{H}_2\text{O})_{56}][\text{Al}_{20}\text{Si}_{52}\text{O}_{144}]$ -STI
 monoclinic, $C2/m$
 $a = 13.64\text{\AA}$, $b = 18.24\text{\AA}$, $c = 11.27\text{\AA}$, $\beta = 128.0^\circ$ ⁽³⁾
 (Relationship to unit cell of Framework Type:
 $a' = a$, $b' = b$, $c' = c/(2\sin\beta')$
 or, as vectors, $\mathbf{a}' = \mathbf{a}$, $\mathbf{b}' = \mathbf{b}$, $\mathbf{c}' = (\mathbf{c} - \mathbf{a})/2$)

Framework density: 16.3 T/1000 \AA^3

Channels: [100] 10 4.7 x 5.0* \leftrightarrow [001] 8 2.7 x 5.6*



10-ring viewed along [100]



8-ring along [001]

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