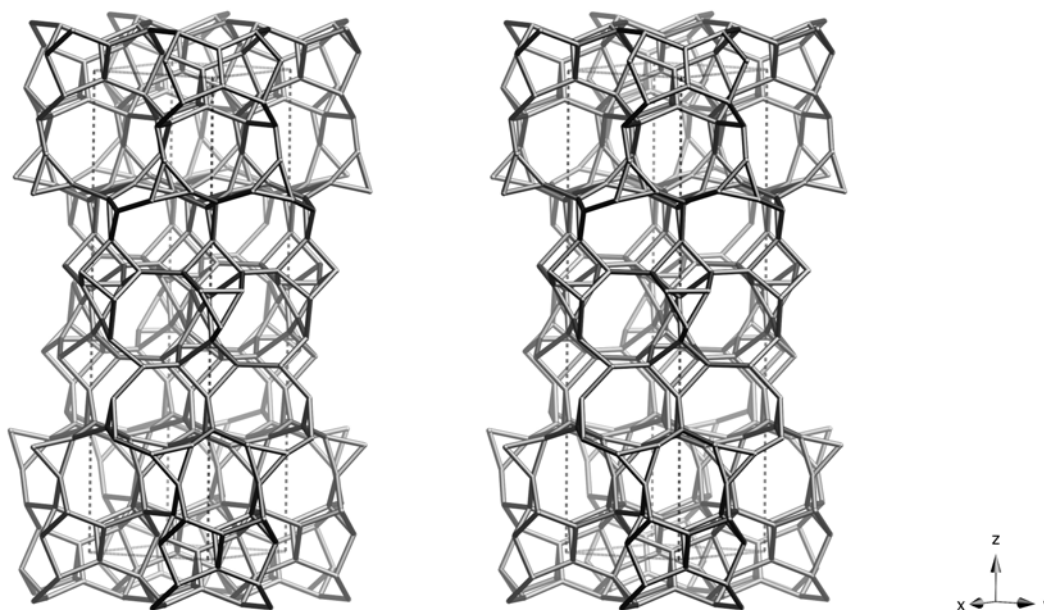


Framework Type Data



framework viewed along $[110]$

Idealized cell data: tetragonal, $P4_2/ncm$ (origin choice 2), $a = 10.0\text{\AA}$, $c = 34.1\text{\AA}$

Coordination sequences and vertex symbols:

$T_1(16,1)$	4	11	23	39	63	93	126	170	210	255	$4\cdot 8\cdot 5\cdot 8_2\cdot 5_2\cdot 8_2$
$T_2(8,m)$	4	11	19	39	59	89	130	166	207	274	$4\cdot 5_2\cdot 5\cdot 8\cdot 5\cdot 8$
$T_3(8,m)$	4	9	20	37	61	92	117	152	201	246	$3\cdot 4\cdot 8\cdot 8_2\cdot 8\cdot 8_2$
$T_4(8,m)$	4	9	20	37	62	87	119	158	195	248	$3\cdot 4\cdot 8_2\cdot 8_3\cdot 8_2\cdot 8_3$
$T_5(8,m)$	4	9	21	41	59	85	133	155	195	261	$3\cdot 4\cdot 8\cdot 8_3\cdot 8\cdot 8_3$
$T_6(8,m)$	4	10	18	39	65	83	119	169	218	236	$3\cdot 8_3\cdot 5\cdot 5_2\cdot 5\cdot 5_2$
$T_7(4,2mm)$	4	10	18	36	64	82	118	176	202	264	$3\cdot 8_2\cdot 5\cdot 5\cdot 5\cdot 5$

Secondary building units: see *Compendium*

Composite building units:

vsv



Materials with this framework type:

*VPI-9⁽¹⁾

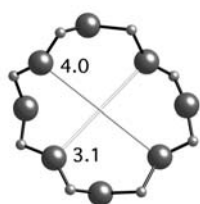
Type Material: VPI-9

Type Material Data

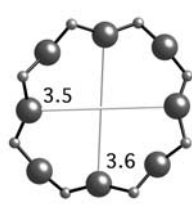
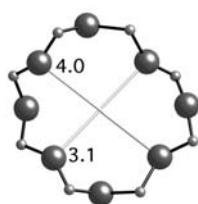
Crystal chemical data: $\text{IRb}_{44}\text{K}_4(\text{H}_2\text{O})_{48}[\text{Zn}_{24}\text{Si}_{96}\text{O}_{240}] \cdot \text{VNI}$
 tetragonal, $P4_12_12$, $a = 9.884\text{\AA}$, $c = 73.650\text{\AA}$ ⁽¹⁾
 (Relationship to unit cell of Framework Type: $a' = a$, $b' = b$, $c' = 2c$)

Framework density: $16.7 \text{ T}/1000\text{\AA}^3$

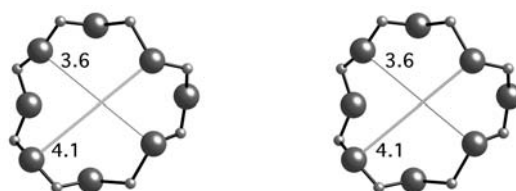
Channels: $\{<110> \mathbf{8} \ 3.1 \times 4.0 \leftrightarrow [001] \mathbf{8} \ 3.5 \times .3.6\}^{***}$



8-ring along <110>



8-ring viewed along [001]



2nd 8-ring along <110>

References:

- (1) McCusker, L.B., Grosse-Kunstleve, R.W., Baerlocher, Ch., Yoshikawa, M. and Davis, M.E. *Microporous Materials*, **6**, 295-309 (1996)