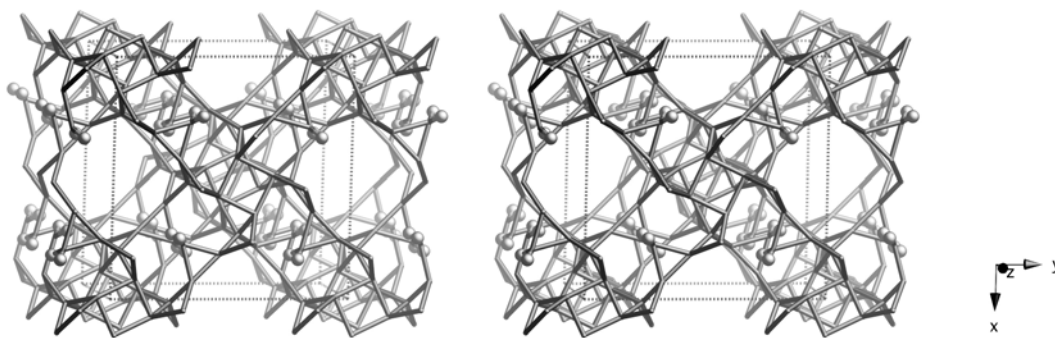


Framework Type Data



framework viewed along [001]

Idealized cell data: tetragonal, *I4/mcm*, $a = 18.1\text{\AA}$, $c = 9.0\text{\AA}$

Coordination sequences and vertex symbols:

| | | | | | | | | | | | |
|------------------|---|----|----|----|----|----|-----|-----|-----|-----|---|
| $T_1 (16,m)$ | 4 | 7 | 17 | 31 | 49 | 76 | 98 | 125 | 170 | 208 | $3\cdot 4\cdot 10_4\cdot * \cdot 10_4\cdot *$ |
| $T_2 (16,m)$ | 4 | 10 | 20 | 31 | 47 | 78 | 109 | 127 | 162 | 212 | $4\cdot 4\cdot 6\cdot 6\cdot 6\cdot 6$ |
| $T_3 (16,2)$ | 4 | 10 | 16 | 31 | 56 | 67 | 94 | 146 | 164 | 188 | $4\cdot 4\cdot 6_2\cdot 10_4\cdot 10_2\cdot 10_2$ |
| $T_4 (8,m, 2m)2$ | 4 | 10 | 24 | 38 | 58 | 91 | 110 | 138 | 194 | 194 | 3 |

Secondary building units: see *Compendium*

Composite building units:

vsv



lau

**Materials with this framework type:**

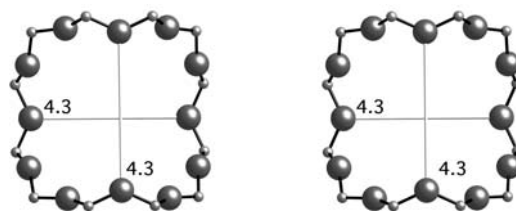
*Roggianite⁽¹⁾

Type Material: Roggianite**-RON****Type Material Data**

Crystal chemical data: $[\text{Ca}_{16}(\text{H}_2\text{O})_{19}] [\text{Al}_{16}\text{Be}_8\text{Si}_{32}\text{O}_{104}(\text{OH})_{16}]$ -RON
tetragonal, $I4/mcm$, $a = 18.33\text{\AA}$, $c = 9.16\text{\AA}$ ⁽¹⁾

Framework density: 18.2 T/1000 \AA^3

Channels: [001] 12 4.3 x 4.3*



12-ring viewed along [001]

References:

(1) Giuseppetti, G., Mazzi, F., Tadini, C. and Galli, E. *N. Jb. Miner. Mh.*, **7**, 307-314 (1991)