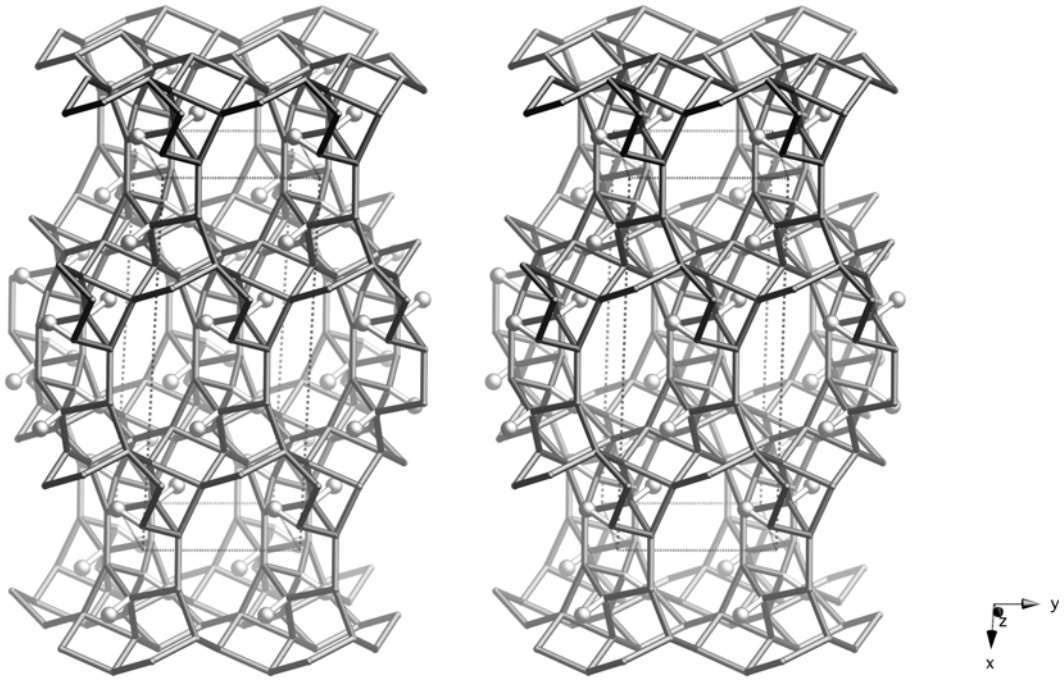
# -PAR

***C*2/*c***

Framework Type Data




*framework viewed along [001]*

**Idealized cell data:** monoclinic, *C*2/*c*, *a* = 20.9Å, *b* = 9.2Å, *c* = 8.6Å, β = 89.7°

**Coordination sequences and vertex symbols:**

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $T_1$ (8,1) | 4 | 9 | 18 | 31 | 48 | 71 | 99 | 132 | 162 | 197 | $4{\cdot}6{\cdot}6{\cdot}6{\cdot}6{\cdot}10_2$ |
| $T_2$ (8,1) | 4 | 9 | 19 | 33 | 51 | 77 | 96 | 126 | 162 | 203 | $4{\cdot}6{\cdot}4{\cdot}8_2{\cdot}6{\cdot}6_2$ |
| $T_3$ (8,1) | 4 | 10 | 19 | 33 | 52 | 72 | 102 | 126 | 161 | 204 | $4{\cdot}6_2{\cdot}4{\cdot}8_2{\cdot}8_2{\cdot}10$ |
| $T_4$ (8,1) | 3 | 8 | 16 | 29 | 49 | 68 | 94 | 123 | 162 | 203 | $4{\cdot}6{\cdot}6_2$ |

**Secondary building units:** 4

**Materials with this framework type:**

*Partheite[1]

# Type Material: Partheite -PAR

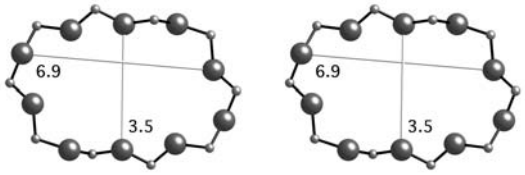
## Type Material Data

**Crystal chemical data:** $|Ca_8\ (H_2O)_{16}|\ [Al_{16}Si_{16}O_{60}\ (OH)_8]$**-PAR**
monoclinic, *C*2/*c*
*a* = 21.555Å, *b* = 8.761Å, *c* = 9.304Å, β = 91.55° (1)

**Stability:** Stable at 150ºC, transforms at 400ºC (1)

**Framework density:** 18.2 T/1000Å$^3$

**Channels:** [001] **10** 3.5 x 6.9*




*10-ring viewed along [001]*

**References:**
(1) Engel, N. and Yvon, K. *Z. Kristallogr.*, **169**, 165-175 (1984)