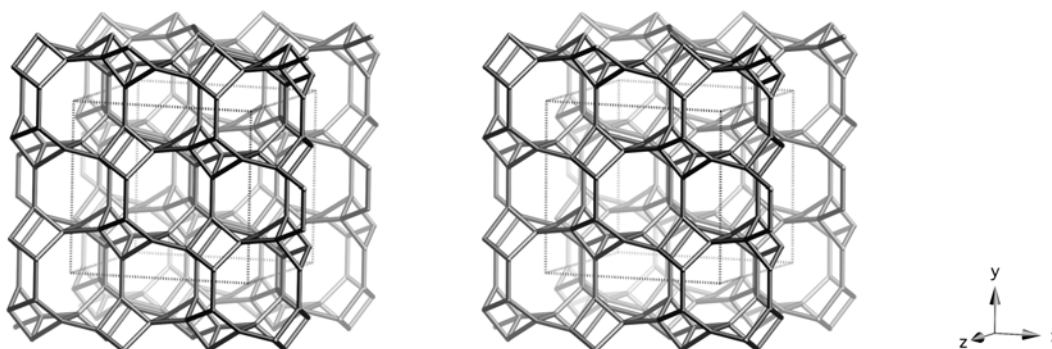


Framework Type Data



framework viewed normal to [010]

Idealized cell data: monoclinic, $C2/m$, $a = 14\text{\AA}$, $b = 13.5\text{\AA}$, $c = 10.2\text{\AA}$, $\beta = 107.2^\circ$

Coordination sequences and vertex symbols:

| | | | | | | | | | | | |
|------------|---|----|----|----|----|----|-----|-----|-----|-----|---------------------------------------|
| $T_1(8,1)$ | 4 | 9 | 19 | 33 | 51 | 76 | 98 | 123 | 162 | 203 | $4\cdot4\cdot4\cdot8_2\cdot6\cdot8_4$ |
| $T_2(8,1)$ | 4 | 9 | 18 | 31 | 49 | 72 | 99 | 130 | 160 | 198 | $4\cdot4\cdot4\cdot8_2\cdot6\cdot6_2$ |
| $T_3(8,1)$ | 4 | 9 | 17 | 30 | 49 | 75 | 102 | 125 | 157 | 202 | $4\cdot6\cdot4\cdot8\cdot4\cdot8_7$ |
| $T_4(8,1)$ | 4 | 10 | 21 | 35 | 50 | 71 | 100 | 132 | 164 | 198 | $4\cdot4\cdot6\cdot8\cdot8\cdot8_2$ |

Secondary building units: 8 or 4

Composite building units:

mei



Materials with this framework type:

*AlPO-14^(1,2)

l(C₃N₂H₁₂)-l[Mn-Al-P-O]-AFN⁽³⁾

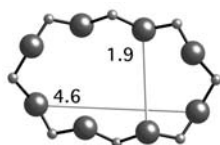
GaPO-14⁽⁴⁾

Type Material Data

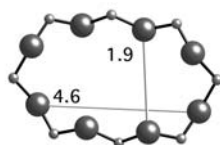
Crystal chemical data: $[\text{Al}_8\text{P}_8\text{O}_{32}]$ -AFN
 triclinic, $P\bar{1}$, $a = 9.704\text{\AA}$, $b = 9.736\text{\AA}$, $c = 10.202\text{\AA}$
 $\alpha = 77.81^\circ$, $\beta = 77.50^\circ$, $\gamma = 87.69^\circ$ ⁽¹⁾

Framework density: 17.4 T/1000 \AA^3

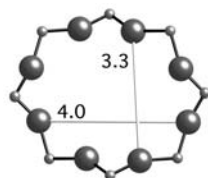
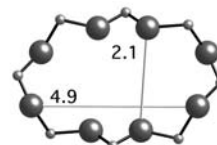
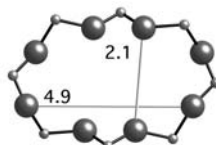
Channels: $[100]$ **8** 1.9 x 4.6* \leftrightarrow $[010]$ **8** 2.1 x 4.9* \leftrightarrow $[001]$ **8** 3.3 x 4.0*



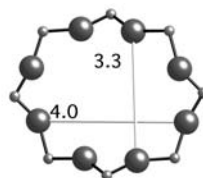
8-ring viewed along [100]



8-ring viewed along [010]



8-ring viewed along [001]

**References:**

- (1) Broach, R.W., Wilson, S.T. and Kirchner, R.M. *Proc. 12th Int. Zeolite Conf.*, **III**, pp. 1715-1722 (1999)
- (2) Broach, R.W., Wilson, S.T. and Kirchner, R.M. *Microporous Mesoporous Mat.*, **57**, 211-214 (2003)
- (3) Shi, L., Li, J., Duan, F., Yu, J., Li, Y. and Xu, R. *Microporous Mesoporous Mat.*, **85**, 252-259 (2005)
- (4) Parise, J.B. *Acta Crystallogr.*, **C42**, 670-673 (1986)