Framework Type Data

Idealized cell data: orthorhombic, Cmcm, $a = 9.8\,\text{Å}$, $b = 25.6\,\text{Å}$, $c = 8.3\,\text{Å}$

Coordination sequences and vertex symbols:

- $T_1 (16,1)$: 4 11 22 38 58 85 115 149 190 235
- $T_2 (8,m)$: 4 11 22 41 65 88 111 145 186 231
- $T_3 (8,m)$: 4 11 21 36 56 82 115 156 195 231
- $T_4 (8,m)$: 4 12 23 37 55 82 118 155 189 232

Secondary building units: 2-6-2 or 4-1

Composite building units:

- nsc
- afi
- bog

Materials with this framework type:

- *AIPO-41$^{(1)}$
- MnAPO-41$^{(2)}$
- MnAPSO-41$^{(2)}$
- SAPO-41$^{(2)}$
Type Material Data

Crystal chemical data: $[\text{Al}_{10}\text{P}_{10}\text{O}_{40}] \cdot \text{AFO}$
monoclinic, $P2_1$

$a = 9.718\text{Å}, b = 13.792\text{Å}, c = 8.359\text{Å}, \gamma = 110.6^\circ$ (1)

(Relationship to unit cell of Framework Type:

$a' = a, b' = b/(2\sin \gamma'), c' = c$

or, as vectors, $a' = a, b' = (b - a)/2, c' = c$

Framework density: 19.1 T/1000Å³

Channels: [001] 10 4.3 x 7.0*

10-ring viewed along [001]

References:
(1) Kirchner, R.M. and Bennett, J.M. Zeolites, 14, 523-528 (1994)