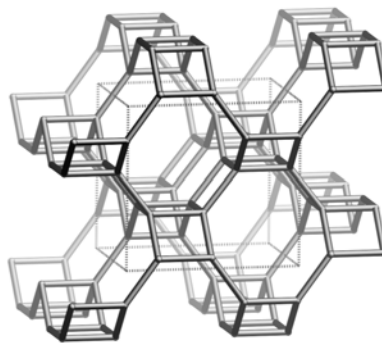
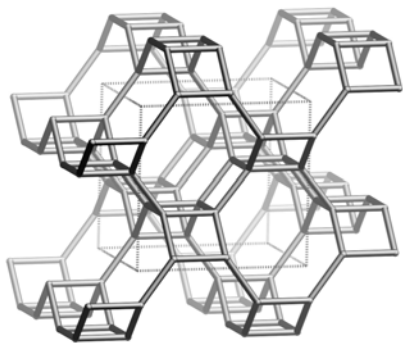


Framework Type Data



framework viewed along [010]

Idealized cell data: orthorhombic, *Pmma*, $a = 10.0\text{\AA}$, $b = 7.5\text{\AA}$, $c = 9.4\text{\AA}$

Coordination sequences and vertex symbols:

$T_1(8,1)$	4	9	18	33	52	73	96	123	158	199	4·4·4·6·8·8
$T_2(4,m)$	4	10	21	34	48	70	100	130	159	194	4·8 ₂ ·4·8 ₂ ·6·8 ₂

Secondary building units: 4-2 or 6

Composite building units:

dcc *dsc*

double *double sawtooth*

crankshaft chain *chain*



Materials with this framework type:

*AIPO-12-TAMU⁽¹⁾

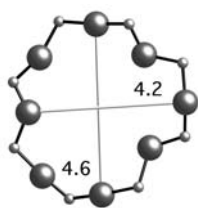
AIPO-33⁽²⁾

AIPO-33⁽³⁾

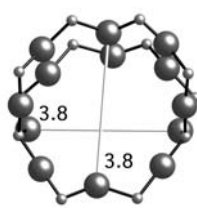
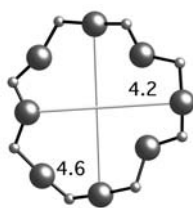
RMA-3⁽⁴⁾

Type Material Data

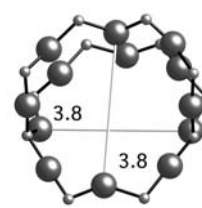
Crystal chemical data:	$[(C_4H_{12}N)_4(OH)_4][Al_{12}P_{12}O_{48}]$ -ATT $C_4H_{12}N$ = tetramethylammonium orthorhombic, $P2_12_12$, $a = 10.332\text{\AA}$, $b = 14.640\text{\AA}$, $c = 9.511\text{\AA}$ ⁽¹⁾ (Relationship to unit cell of Framework Type: $a' = a$, $b' = 2b$, $c' = c$)
Framework density:	16.7 T/1000 \AA^3
Channels:	[100] 8 4.2 x 4.6* \leftrightarrow [010] 8 3.8 x 3.8*



8-ring viewed along [100]



complex 8-ring viewed along [010]

**References:**

- (1) Rudolf, P.R., Saldarriaga-Molina, C. and Clearfield, A. *J. Phys. Chem.*, **90**, 6122-6125 (1986)
- (2) Smith, J.V., Pluth, J.J. and Bennett, J.M. *private communication*
- (3) Patton, R.L. and Gajek, R.T. *U.S. Patent 4,473,663* (1984)
- (4) Ikeda, T. and Itabashi, K. *Chem. Commun.*, 2753-2755 (2005)