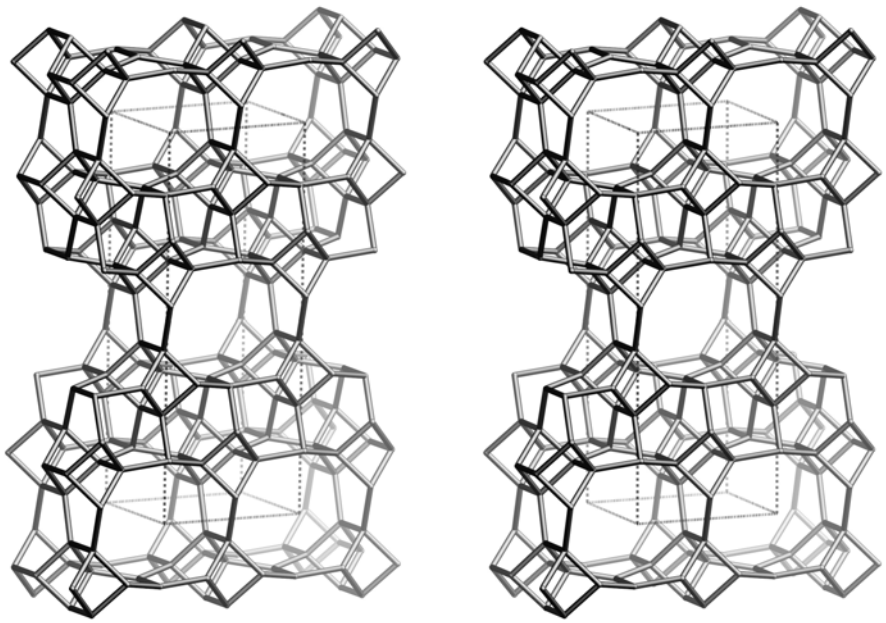
AFO

Cmcm

Framework Type Data



framework viewed along [001]

Idealized cell data: orthorhombic, *Cmcm*, $a = 9.8$Å, $b = 25.6$Å, $c = 8.3$Å

Coordination sequences and vertex symbols:

T_1 (16,1)	4	11	22	38	58	85	115	149	190	235	$4\cdot6_2\cdot6\cdot6_3\cdot6_2\cdot6_3$
T_2 (8,*m*)	4	11	22	41	65	88	111	145	186	231	$4\cdot6_2\cdot6\cdot6_3\cdot6\cdot6_3$
T_3 (8,*m*)	4	11	21	36	56	82	115	156	195	231	$4\cdot6_2\cdot6_2\cdot6_3\cdot6_2\cdot6_3$
T_4 (8,*m*)	4	12	23	37	55	82	118	155	189	232	$6\cdot6_2\cdot6_2\cdot6_2\cdot6_2\cdot6_2$

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

Composite building units:

nsc	*afi*	*bog*
narsarsukite chain		

Materials with this framework type:

*AlPO-41[1]
MnAPO-41[2]
MnAPSO-41[2]
SAPO-41[2]

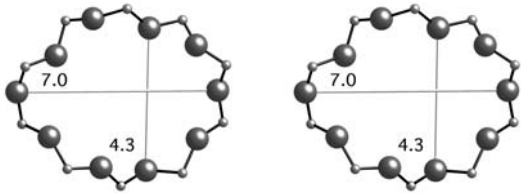
Type Material: AlPO-41 — AFO

Type Material Data

Crystal chemical data: **[**$Al_{10}P_{10}O_{40}$**]-AFO**
monoclinic, $P2_1$
a = 9.718Å, b = 13.792Å, c = 8.359Å, γ = 110.6°(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/1000Å^3

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)
(2) Hartmann, M., Prakash, A.M. and Kevan, L. *J. Chem. Soc., Faraday Trans.*, **94**, 723-727 (1998)