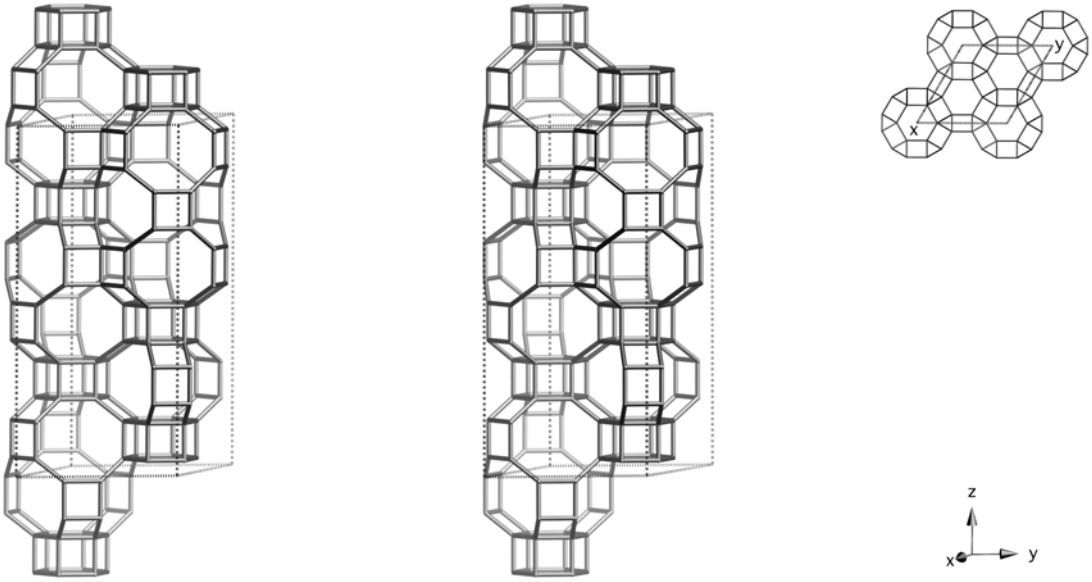
AFT

$P6_3/mmc$

Framework Type Data



framework viewed normal to [001] (upper right: projection down [001])

Idealized cell data: hexagonal, $P6_3/mmc$, a = 13.7Å, c = 29.4Å

Coordination sequences and vertex symbols:

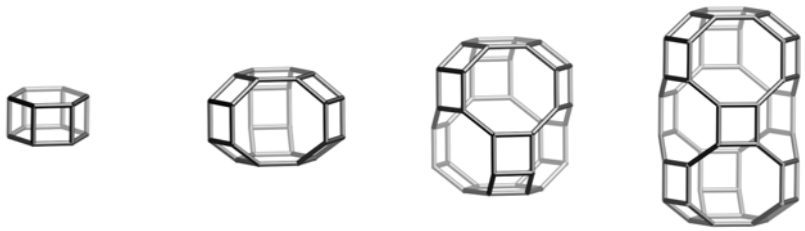
T_1 (24,1)	4	9	17	29	45	64	85	110	140	173	4·4·4·8·6·8
T_2 (24,1)	4	9	17	29	45	64	86	113	144	178	4·4·4·8·6·8
T_3 (24,1)	4	9	17	29	45	65	88	113	141	175	4·4·4·8·6·8

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

Framework description: AABBCCAACCBB sequence of 6-rings

Composite building units:

d6r *gme* *cha* *aft*



Materials with this framework type:

*AlPO-52[1,2]

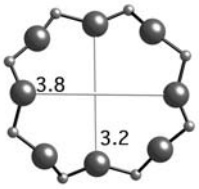
Type Material: AlPO-52 — AFT

Type Material Data

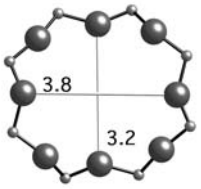
Crystal chemical data: **[$Al_{36}P_{36}O_{144}$]-AFT**
trigonal, $P\bar{3}1c$, a = 13.715Å, c = 29.676Å [2]

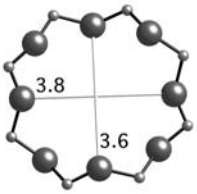
Framework density: 14.9 T/1000Å^3

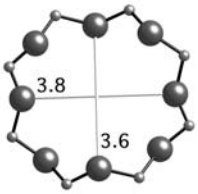
Channels: ⊥ [001] **8** 3.2 x 3.8***



gme cage 8-ring viewed normal to [001]







cha cage 8-ring viewed normal to [001]

References:

(1) Bennett, J.M., Kirchner, R.M. and Wilson, S.T. *Stud. Surf. Sci. Catal.*, **49**, 731-739 (1989)
(2) McGuire, N.K., Bateman, C.A., Blackwell, C.S., Wilson, S.T. and Kirchner, R.M. *Zeolites*, **15**, 460-469 (1995)