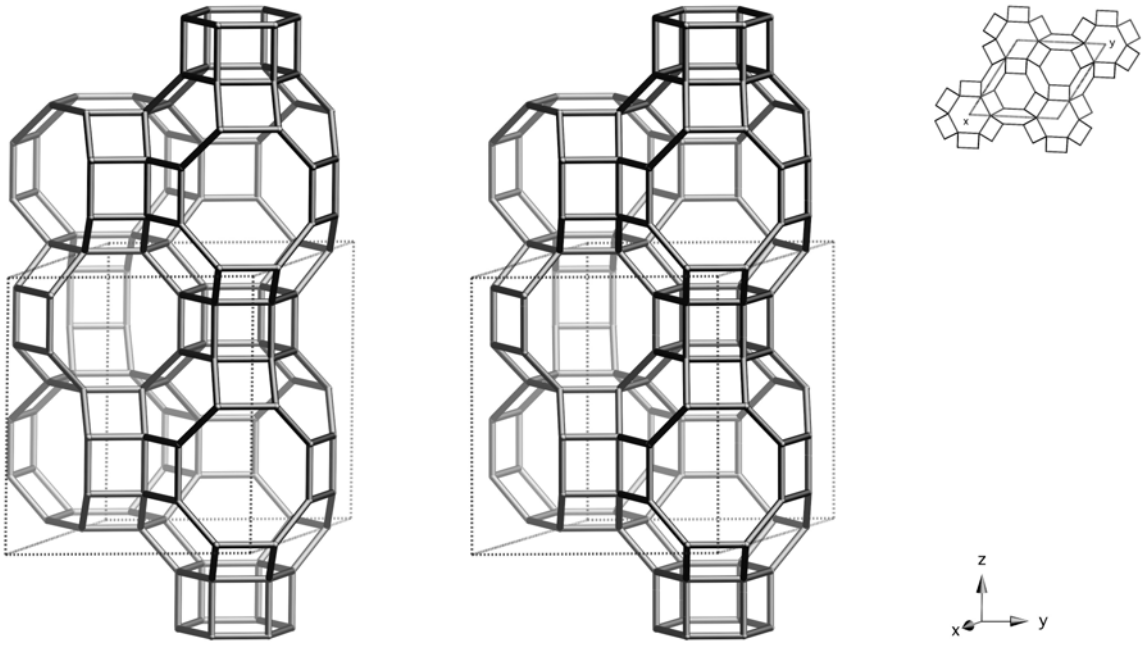
EAB

$P6_3/mmc$

Framework Type Data



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

Idealized cell data: hexagonal, $P6_3/mmc$, a = 13.2Å, c = 15.0Å

Coordination sequences and vertex symbols:

T_1 (24,1)	4	9	17	30	49	71	92	115	147	190	4·4·4·6·6·8
T_2 (12,2)	4	10	20	32	46	66	94	128	162	192	4·4·6·6·8·8

Secondary building units: 6 or 4

Framework description: ABBACC sequence of 6-rings

Composite building units:

d6r *gme*

Materials with this framework type:

*TMA-E (Aiello and Barrer)[1,2]

Bellbergite[3]

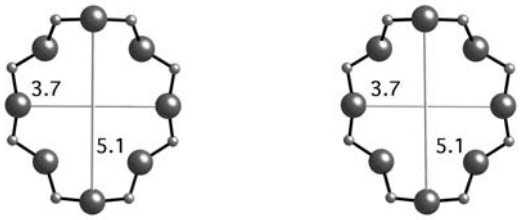
Type Material: TMA-E (Aiello and Barrer) **EAB**

Type Material Data

Crystal chemical data: |$(C_4H_{12}N)_2Na_7$ $(H_2O)_{26}$| [$Al_9Si_{27}O_{72}$]-**EAB**
$C_4H_{12}N$ = tetramethylammonium
hexagonal, $P6_3/mmc$, a = 13.28Å, c = 15.21Å [2]

Framework density: 15.5 T/1000Å^3

Channels: ⊥ [001] **8** 3.7 x 5.1**



8-ring viewed normal to [001]

References:

(1) Aiello, R. and Barrer, R.M. *J. Chem. Soc. (A)*, 1470-1475 (1970)
(2) Meier, W.M. and Groner, M. *J. Solid State Chem.*, **37**, 204-218 (1981)
(3) Rüdinger, B., Tillmanns, E. and Hentschel, G. *Miner. Petrol.*, **48**, 147-152 (1993)