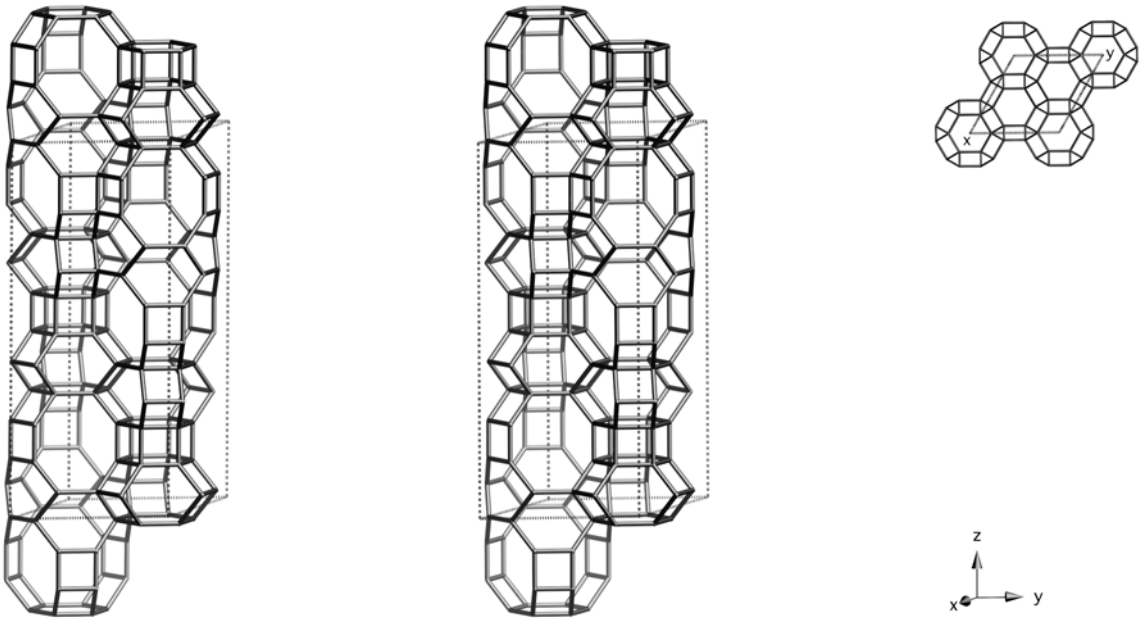
SAT

$R\bar{3}m$

Framework Type Data



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

Idealized cell data: trigonal, $R\bar{3}m$, $a = 12.9$Å, $c = 30.6$Å

Coordination sequences and vertex symbols:

T_1 (36,1)	4	10	20	33	50	71	95	124	158	197	4·6·4·8·6·6
T_2 (36,1)	4	9	17	30	50	75	100	126	157	194	4·4·4·6·6·8

Secondary building units: 6 or 4

Framework description: ABBCBCCACAAB sequence of 6-rings

Composite building units:

d6r *can*

Materials with this framework type:

*STA-2[1]

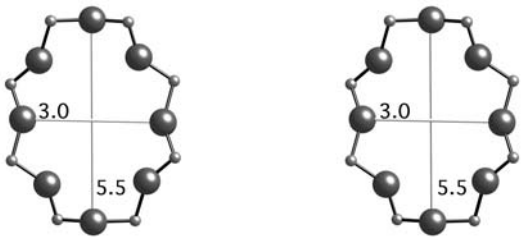
Type Material: STA-2 **SAT**

Type Material Data

Crystal chemical data: $|(C_{18}H_{34}N_2)_3\ (H_2O)_{22.5}|\ [Mg_{5.4}Al_{30.6}P_{36}O_{144}]$-**SAT**
$C_{18}H_{34}N_2 = C_7H_{13}N - (CH_2)_4 - C_7H_{13}N$
$C_7H_{13}N$ = quinuclidine
trigonal, $R\bar{3}$, a = 12.726 Å, c = 30.939Å [(1)]

Framework density: 16.6 T/1000Å^3

Channels: ⊥ [001] **8** 3.0 x 5.5***



8-ring viewed normal to [001]

References:
(1) Noble, G.W., Wright, P.A. and Kvick, A. *J. Chem. Soc., Dalton Trans.*, 4485-4490 (1997)