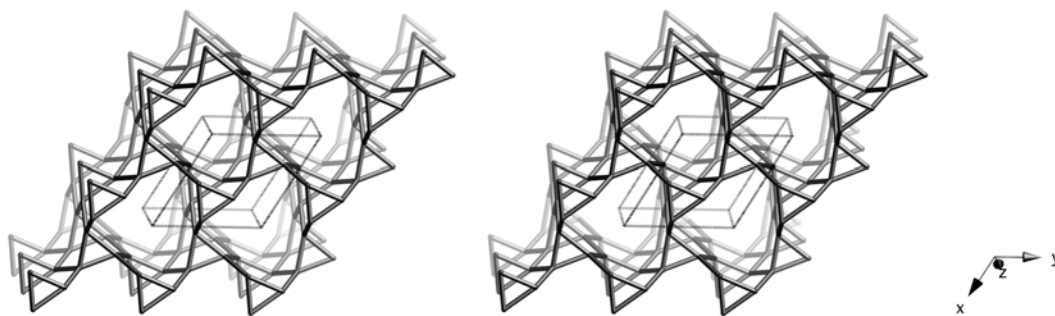


## Framework Type Data



*framework viewed along [001]*

**Idealized cell data:** hexagonal,  $P6_3/mmc$ ,  $a = 9.1\text{\AA}$ ,  $c = 5.3\text{\AA}$

**Coordination sequences and vertex symbols:**

$T_1(6,mm2)$  4 10 20 34 58 82 108 144 186 222 268 330 3·6<sub>2</sub>·6·6·6

**Secondary building units:** 3

**Materials with this framework type:**

\*Nitridophosphate-1<sup>(1)</sup>

## Type Material Data

## Crystal chemical data:



with  $6 < x < 9$ ,  $2 < y < 4$  and  $2 < z < 3$

orthorhombic,  $Pna2_1$ ,  $a = 4.753 \text{ \AA}$ ,  $b = 14.208 \text{ \AA}$ ,  $c = 8.203 \text{ \AA}$  <sup>(1)</sup>

(Relationship to unit cell of Framework Type:

$$a' = c, b' = a\sqrt{3}, c' = b$$

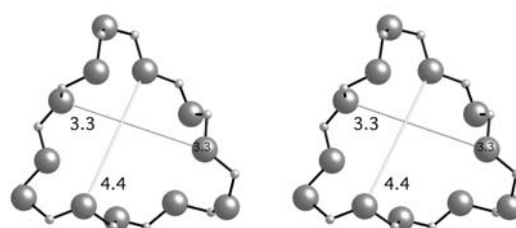
or, as vectors,  $\mathbf{a}' = \mathbf{c}$ ,  $\mathbf{b}' = 2\mathbf{a} + \mathbf{b}$ ,  $\mathbf{c}' = \mathbf{b}$ )

## Framework density:

21.7 T/1000 $\text{\AA}^3$

## Channels:

[100] 12 3.3 x 4.4\*



12-ring viewed along [100]

## References:

- (1) Correll, S., Oeckler, O., Stock, N. and Schnick, W. *Angew. Chem., Int. Ed.*, **42**, 3549-3552 (2003)