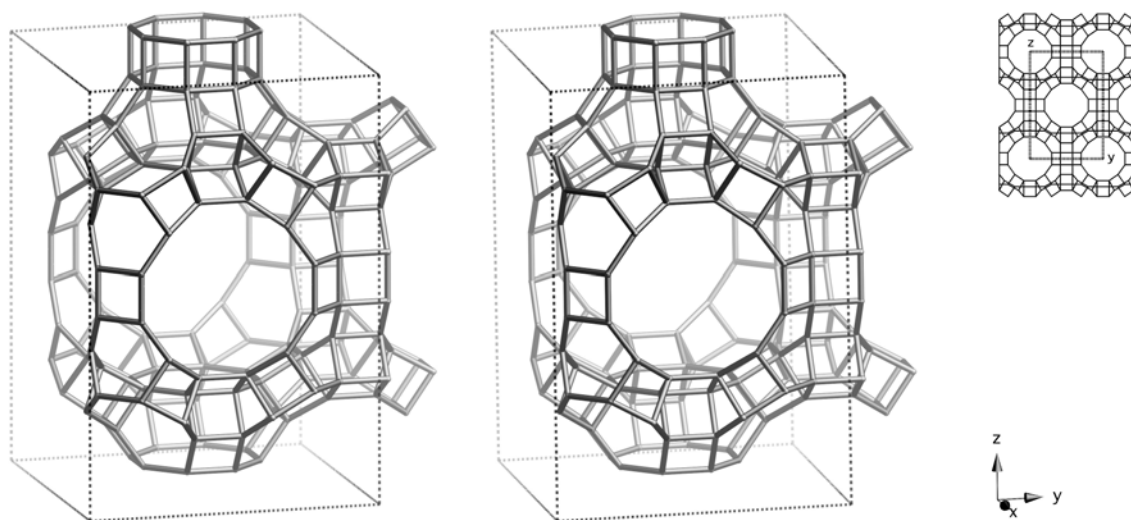


Framework Type Data



framework viewed along [100] (upper right: projection down [100])

Idealized cell data: tetragonal, $I4/mmm$, $a = 18.5\text{\AA}$, $c = 27.1\text{\AA}$

Coordination sequences and vertex symbols:

$T_1(32,1)$	4	9	17	27	38	55	78	102	129	157	$4\cdot6\cdot4\cdot8\cdot4\cdot8_7$
$T_2(32,1)$	4	9	17	28	41	57	77	101	130	162	$4\cdot4\cdot4\cdot6\cdot8\cdot12$
$T_3(32,1)$	4	9	17	27	39	56	77	100	126	157	$4\cdot4\cdot4\cdot8\cdot6\cdot6_2$
$T_4(32,1)$	4	9	17	27	40	59	79	99	126	158	$4\cdot4\cdot4\cdot8_2\cdot6_2\cdot8_4$

Secondary building units: 8 or 4

Composite building units:**Materials with this framework type:**

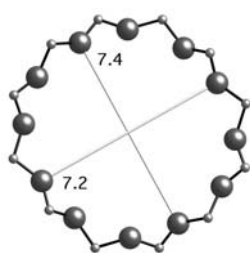
*UCSB-8Co⁽¹⁾
 UCSB-8Mg⁽¹⁾
 UCSB-8Mn⁽¹⁾
 UCSB-8Zn⁽¹⁾

Type Material Data

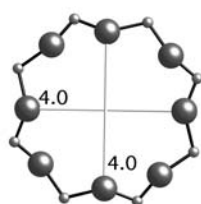
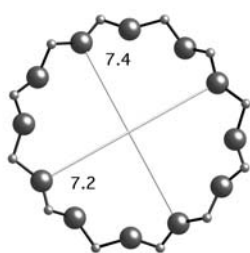
Crystal chemical data: $I (C_9H_{24}N_2)_{16} [Al_{32}Co_{32}P_{64}O_{256}]$ -SBE
 $C_9H_{22}N_2 = 1,9$ diaminononane
 tetragonal, $P4/nnc$, $a = 19.065 \text{ \AA}$, $c = 27.594 \text{ \AA}$ ⁽¹⁾

Framework density: $12.8 \text{ T}/1000 \text{ \AA}^3$

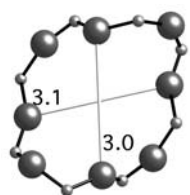
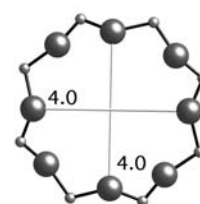
Channels: $\langle 100 \rangle$ 12 7.2 x 7.4** \leftrightarrow $[001]$ 8 4.0 x 4.0*



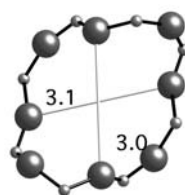
12-ring viewed along $\langle 100 \rangle$



8-ring viewed along $[001]$



second 8-ring along $[001]$

**References:**

(1) Bu, X., Feng, P. and Stucky, G.D. *Science*, **278**, 2080-2085 (1997)