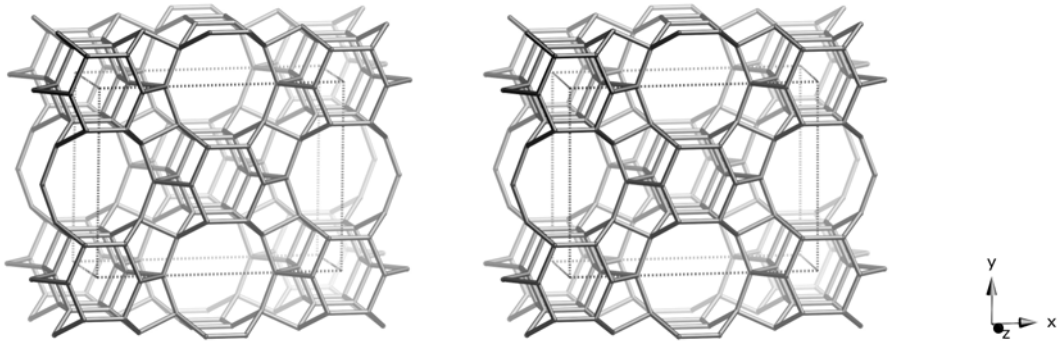
SZR *Cmmm*

Framework Type Data



framework viewed along [001]

Idealized cell data: orthorhombic, *Cmmm*, *a* = 18.9Å, *b* = 14.4Å, *c* = 7.5Å

Coordination sequences and vertex symbols:

T_1 (16,1)	4	10	21	38	61	88	116	149	190	237	289	340	$4\cdot5\cdot4\cdot6\cdot6\cdot8_2$
T_2 (8,..*m*)	4	12	23	38	59	82	119	155	191	231	283	338	$5\cdot8\cdot5\cdot8\cdot5_2\cdot6$
T_3 (8,.*m*.)	4	10	19	34	60	89	118	144	179	238	296	342	$4\cdot5\cdot4\cdot5\cdot6\cdot8_2$
T_4 (4,2*mm*)	4	12	24	38	52	88	118	150	192	232	278	340	$5\cdot5\cdot5\cdot5\cdot10_2\cdot10_4$

Secondary building units: 6

Composite building units:

mtt *d6r* *mso*

Materials with this framework type:

*SUZ-4[1,2]

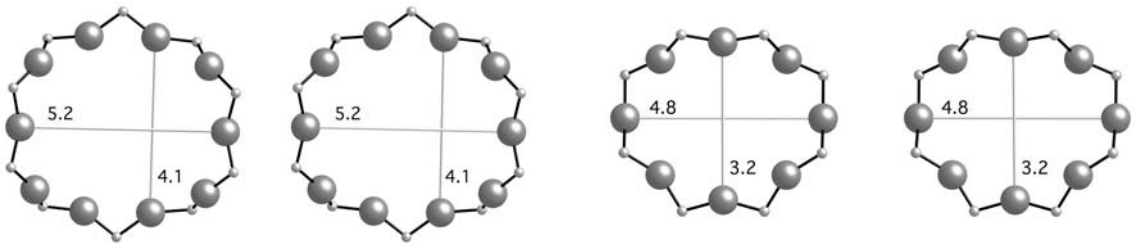
Type Material: SUZ-4 SZR

Type Material Data

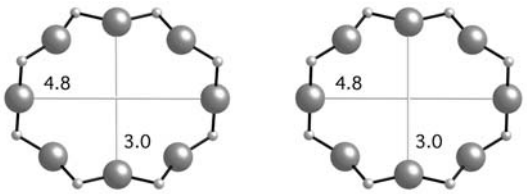
Crystal chemical data: $|K_4|$ **[**$Al_4Si_{32}O_{72}$**]-SZR**
orthorhombic, *Cmmm*, *a* = 18.8064Å, *b* = 14.2298Å, *c* = 7.4548Å [(2)]

Framework density: 18 T/1000Å^3

Channels: { [001] **10** 4.1 x 5.2 ↔ [010] **8** 3.2 x 4.8 ↔ [110] **8** 3.0 x 4.8 }***



10-ring viewed along [001] *8-ring viewed along [010]*



8-ring viewed along [110]

References:
(1) Lawton, S.L., Bennett, J.M., Schlenker, J.L. and Rubin, M.K. *Chem. Commun.*, 894-896 (1993)
(2) Strohmaier, K.G., Afeworki, M. and Dorset, D.L. *Z. Kristallogr.*, **221**, 689-698 (2006)