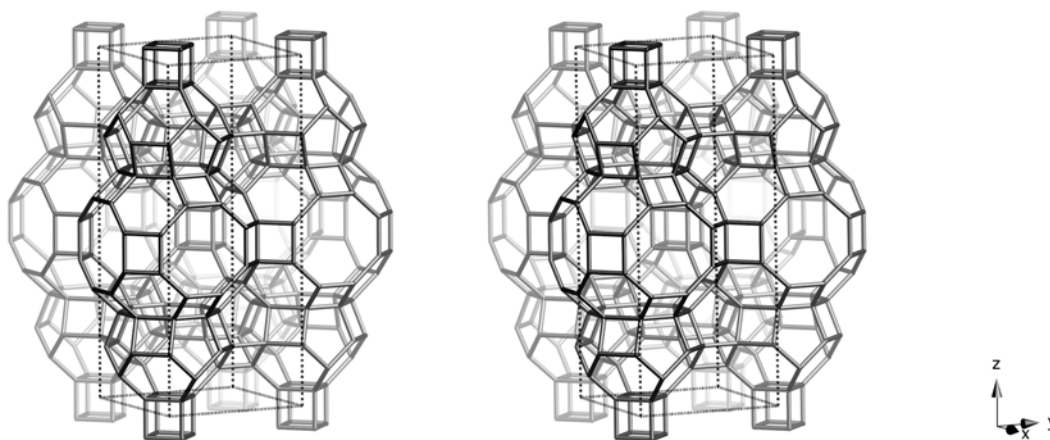


Framework Type Data



framework viewed along [100]

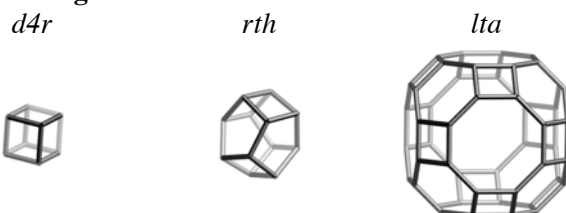
Idealized cell data: tetragonal, $I4/mmm$, $a = 12.1\text{\AA}$, $c = 28.6\text{\AA}$

Coordination sequences and vertex symbols:

$T_1 (16,m.)$	4	9	18	33	51	71	97	124	153	195	241	283	4-6-4-6-4-8
$T_2 (32,1)$	4	10	19	31	46	64	91	123	156	194	231	271	4-4-5-6-5-8
$T_3 (16,m.)$	4	10	19	30	50	70	93	124	155	196	230	280	4-6-4-6-5-8

Secondary building units: 8

Composite building units:



Materials with this framework type:

*UZM-5⁽¹⁾

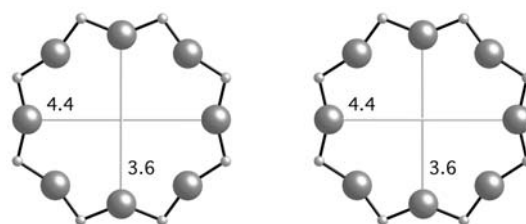
Type Material: UZM-5

Type Material Data

Crystal chemical data: $IK_8I [Al_8Si_{56}O_{128}]$ -UFI
tetragonal, $I4/mmm$, $a = 12.1507\text{\AA}$, $c = 28.172\text{\AA}$ ⁽¹⁾

Framework density: 15.4 T/1000 \AA^3

Channels: $\langle 100 \rangle$ **8** 3.6 x 4.4** \leftrightarrow $[001]$ **8** 3.2 x 3.2 (cage) (i.e. ends in a cage with this window to the cage)



8-ring viewed along [100]

References:

- (1) Blackwell, C.S., Broach, R.W., Gatter, M.G., Holmgren, J.S., Jan, D.-Y., Lewis, G.J., Mezza, B.J., Mezza, T.M., Miller, M.A., Moscoso, J.G., Patton, R.L., Rohde, L.M., Schoonover, M.W., Sinkler, W., Wilson, B.A. and Wilson, S.T. *Angew. Chem., Int. Ed.*, **42**, 1737-1740 (2003)