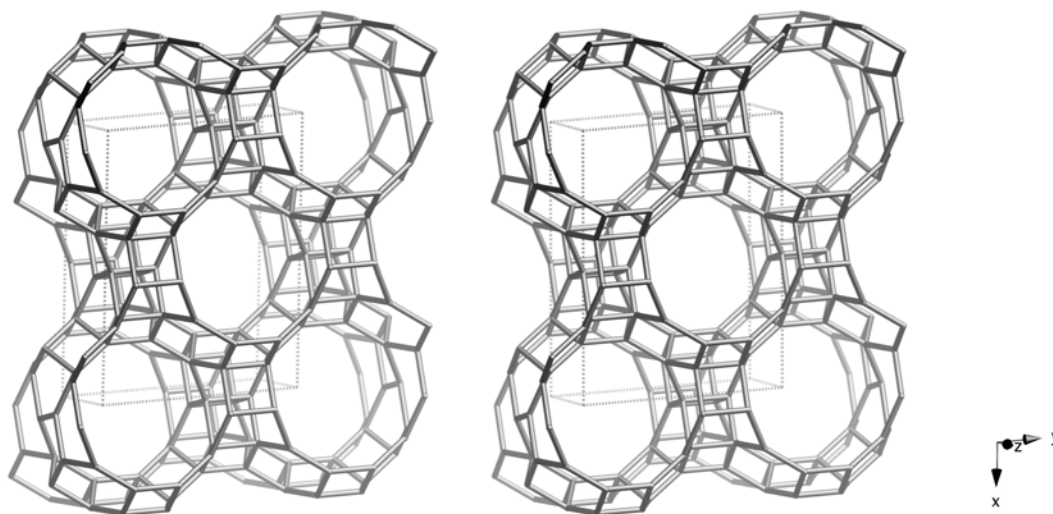


Framework Type Data



framework viewed along [001]

Idealized cell data: monoclinic, $C2/m$, $a = 18.6\text{\AA}$, $b = 13.4\text{\AA}$, $c = 7.6\text{\AA}$, $\beta = 102.3^\circ$

Coordination sequences and vertex symbols:

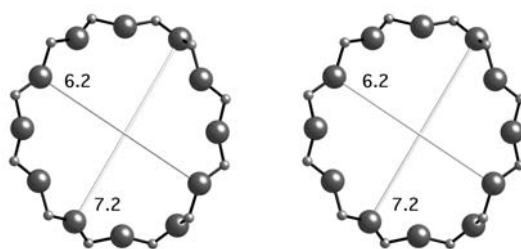
$T_1(8,1)$	4	11	20	32	53	77	100	135	166	199	$4\cdot6_2\cdot5\cdot6\cdot6\cdot12_3$
$T_2(8,1)$	4	10	18	31	52	77	103	127	159	210	$4\cdot5\cdot4\cdot6\cdot5\cdot6_2$
$T_3(8,1)$	4	10	19	32	53	78	102	126	162	209	$4\cdot6\cdot4\cdot6\cdot5\cdot6_2$
$T_4(8,1)$	4	10	21	35	50	74	105	133	165	206	$4\cdot4\cdot5\cdot12_5\cdot6\cdot6_2$

Secondary building units: 6-2

Composite building units:*bea**lau***Materials with this framework type:***ITQ-4^(1,2)MCM-58⁽³⁾SSZ-42^(4,5)

Type Material Data

Crystal chemical data:	[Si ₃₂ O ₆₄]-IFR monoclinic, <i>I2/m</i> $a = 18.652\text{\AA}$, $b = 13.496\text{\AA}$, $c = 7.631\text{\AA}$, $\beta = 101.98^\circ$ ⁽¹⁾ (Relationship to unit cell of Framework Type: as vectors, $\mathbf{a}' = \mathbf{a} + \mathbf{c}$, $\mathbf{b}' = \mathbf{b}$, $\mathbf{c}' = -\mathbf{c}$)
Framework density:	17 T/1000 \AA^3
Channels:	[001] 12 6.2 x 7.2*



12-ring viewed along [001]

References:

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- (2) Barrett, P.A., Cambor, M.A., Corma, A., Jones, R.H. and Villaescusa, L.A. *J. Phys. Chem. B*, **102**, 4147-4155 (1998)
- (3) Valyocsik, E.W. *WOP 9511196* (1995)
- (4) Chen, C.Y., Finger, L.W., Medrud, R.C., Crozier, P.A., Chan, I.Y., Harris, T.V. and Zones, S.I. *Chem. Commun.*, 1775-1776 (1997)
- (5) Chen, C.Y., Finger, L.W., Medrud, R.C., Kibby, C.L., Crozier, P.A., Chan, I.Y., Harris, T.V., Beck, L.W. and Zones, S.I. *Chem. Eur. Journal*, **4**, 1312-1323 (1998)