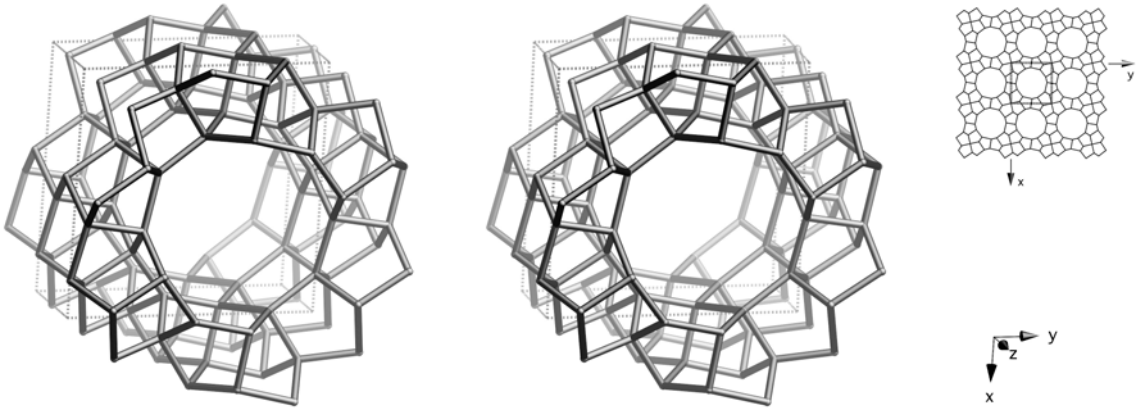
VET

$P\bar{4}$

Framework Type Data



framework viewed along [001] (upper right: projection down [001])

Idealized cell data: tetragonal, $P\bar{4}$, $a = 13.0$Å, $c = 4.9$Å

Coordination sequences and vertex symbols:

T_1 (4,1)	4	12	24	39	61	93	133	179	209	246	$5{\cdot}5{\cdot}5{\cdot}6_2{\cdot}5{\cdot}7$
T_2 (4,1)	4	12	26	41	65	94	130	169	218	269	$5{\cdot}5{\cdot}5{\cdot}6{\cdot}7{\cdot}12_6$
T_3 (4,1)	4	12	24	41	65	95	128	169	218	270	$5{\cdot}6{\cdot}5{\cdot}6{\cdot}5{\cdot}6_2$
T_4 (4,1)	4	12	23	43	68	94	125	172	226	269	$5{\cdot}6{\cdot}5{\cdot}6{\cdot}5_2{\cdot}6$
T_5 (1, $\bar{4}$)	4	12	28	38	60	98	152	182	200	246	$5{\cdot}5{\cdot}5{\cdot}5{\cdot}8_2{\cdot}8_2$

Secondary building units: see *Compendium*

Composite building units:

cas

Materials with this framework type:

*VPI-8[(1)]

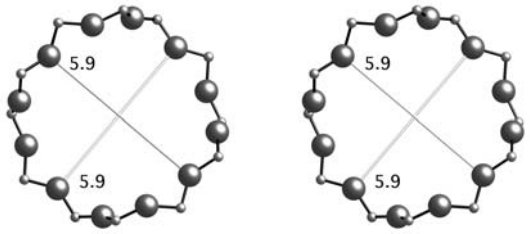
Type Material: VPI-8 VET

Type Material Data

Crystal chemical data: $[Si_{17}O_{34}]$-**VET**
tetragonal, $P\bar{4}$, a = 13.045Å, c = 5.034Å [1]

Framework density: 19.8 T/1000Å^3

Channels: [001] **12** 5.9 x 5.9*



12-ring viewed along [001]

References:

(1) Freyhardt, C.C., Lobo, R.F., Khodabandeh, S., Lewis, J.E., Tsapatsis, M., Yoshikawa, M., Camblor, M.A., Pan, M., Helmkamp, M.M., Zones, S.I. and Davis, M.E. *J. Am. Chem. Soc.*, **118**, 7299-7310 (1996)