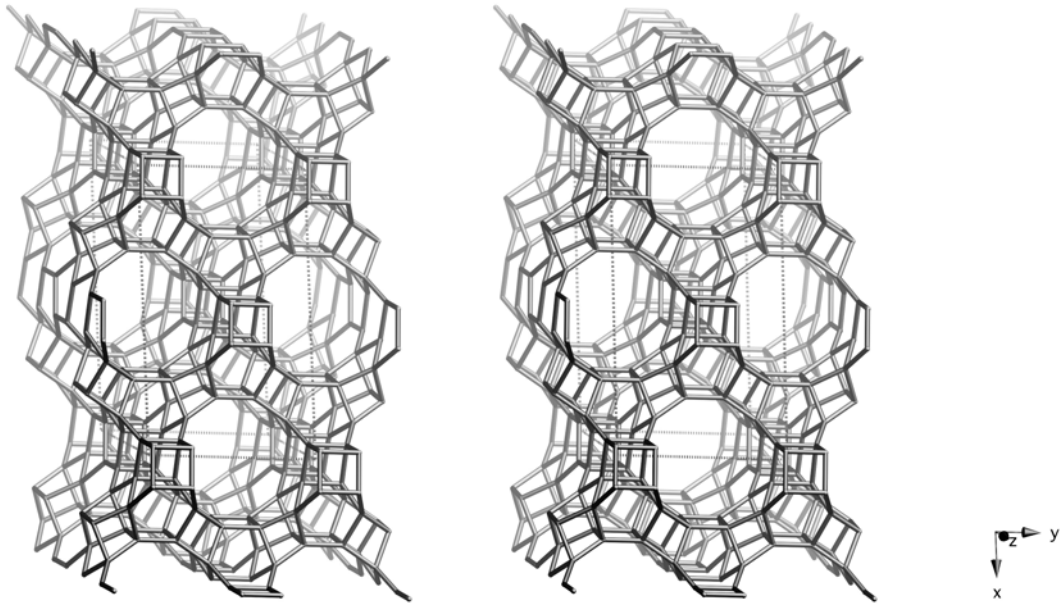
CON

C2/m

Framework Type Data



framework viewed along [001]

Idealized cell data: monoclinic, *C*2/*m*, *a* = 22.7Å, *b* = 13.4Å, *c* = 12.6Å, β = 69.5°

Coordination sequences and vertex symbols:

T_1 (8,1)	4	10	19	32	50	73	101	132	164	199	$4{\cdot}5{\cdot}4{\cdot}10_4{\cdot}5{\cdot}6_2$
T_2 (8,1)	4	11	18	31	52	77	98	126	164	205	$4{\cdot}5{\cdot}5{\cdot}6{\cdot}5{\cdot}10_2$
T_3 (8,1)	4	10	21	32	47	74	105	134	159	196	$4{\cdot}6{\cdot}4{\cdot}10_4{\cdot}5{\cdot}6_2$
T_4 (8,1)	4	10	19	32	51	74	100	130	165	203	$4{\cdot}4{\cdot}5{\cdot}6_2{\cdot}5{\cdot}12_7$
T_5 (8,1)	4	10	19	32	51	74	101	130	164	203	$4{\cdot}4{\cdot}5{\cdot}6_2{\cdot}5{\cdot}12_4$
T_6 (8,1)	4	11	18	28	49	77	103	126	155	201	$4{\cdot}5_2{\cdot}5{\cdot}6_2{\cdot}6{\cdot}6_2$
T_7 (8,1)	4	11	19	32	49	75	105	131	159	196	$4{\cdot}6_2{\cdot}5{\cdot}6{\cdot}5{\cdot}10_2$

Secondary building units: 1-5-1

Composite building units:

bea *bre* *lau* *mel*

Materials with this framework type:

*CIT-1[1] SSZ-26 (related to **CON**)[1,2] SSZ-33 (related to **CON**)[1,2]

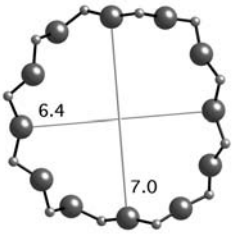
Type Material: CIT-1 CON

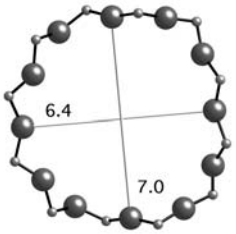
Type Material Data

Crystal chemical data: |H_2| [$B_2Si_{54}O_{112}$]-**CON**
monoclinic, *C*2/*m*
a = 22.624Å, *b* = 13.350Å, *c* = 12.364Å, β = 68.91° (1)

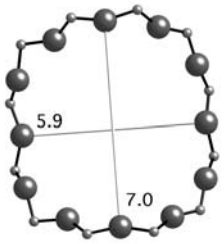
Framework density: 16.1 T/1000Å^3

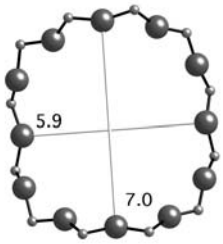
Channels: [001] **12** 6.4 x 7.0* ↔ [100] **12** 7.0 x 5.9* ↔[010] **10** 5.1 x 4.5*



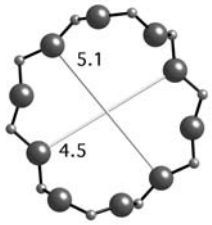


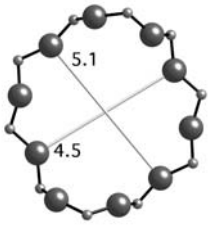
12-ring viewed along [001]





12-ring viewed along [100]





10-ring viewed along [010]

References:
(1) Lobo, R.F. and Davis, M.E. *J. Am. Chem. Soc.*, **117**, 3764-3779 (1995)
(2) Lobo, R.F., Pan, M., Chan, I., Li, H.X., Medrud, R.C., Zones, S.I., Crozier, P.A. and Davis, M.E. *Science*, **262**, 1543-1546 (1993)