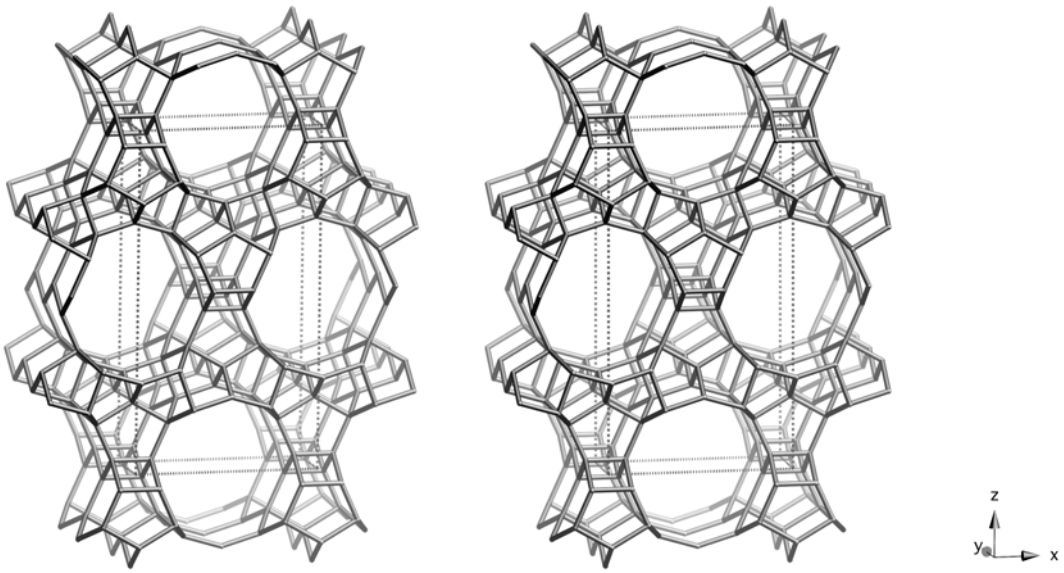
CFI

Imma

Framework Type Data



framework viewed along [010]

Idealized cell data: orthorhombic, *Imma*, a = 14.0Å, b = 5.3Å, c = 26.0Å

Coordination sequences and vertex symbols:

T_1 (8,*m*)	4	10	21	36	56	84	114	143	182	231	$4{\cdot}6{\cdot}4{\cdot}6{\cdot}5{\cdot}6$
T_2 (8,*m*)	4	12	23	37	55	83	114	153	195	222	$5{\cdot}6{\cdot}5{\cdot}6{\cdot}5_2{\cdot}6$
T_3 (8,*m*)	4	12	22	37	57	84	114	156	184	222	$5{\cdot}6{\cdot}5{\cdot}6{\cdot}5{\cdot}6_2$
T_4 (4,*mm*2)	4	12	24	36	54	79	118	153	190	234	$5{\cdot}5{\cdot}5{\cdot}5{\cdot}14_{14}{\cdot}*$
T_5 (4,*mm*2)	4	12	20	34	56	81	116	151	186	220	$5{\cdot}5{\cdot}5{\cdot}5{\cdot}5{\cdot}6_2$

Secondary building units: see *Compendium*

Composite building units:

dzc	*mtt*	*cas*	*ton*
double zigzag chain			

Materials with this framework type:

*CIT-5[1,2]

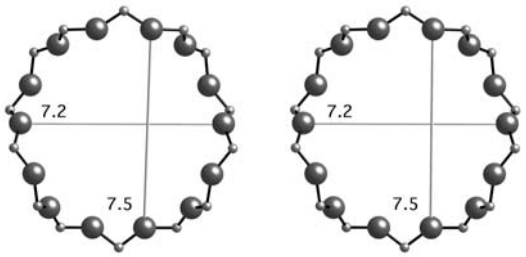
Type Material: CIT-5 **CFI**

Type Material Data

Crystal chemical data: **[$Si_{32}O_{64}$]-CFI**
orthorhombic, *Pmn*2_1, *a* = 13.674Å, *b* = 5.022Å, *c* = 25.488Å [(2)]

Framework density: 18.3 T/1000Å^3

Channels: [010] **14** 7.2 x 7.5*



14-ring viewed along [010]

References:

(1) Wagner, P., Yoshikawa, M., Lovallo, M., Tsuji, K., Taspatsis, M. and Davis, M.E. *Chem. Commun.*, 2179-2180 (1997)

(2) Yoshikawa, M., Wagner, P., Lovallo, M., Tsuji, K., Takewaki, T., Chen, C.Y., Beck, L.W., Jones, C., Tsapatsis, M., Zones, S.I. and Davis, M.E. *J. Phys. Chem. B*, **102**, 7139-7147 (1998)