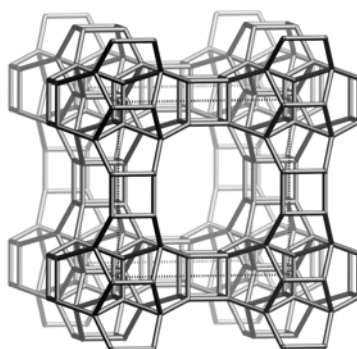
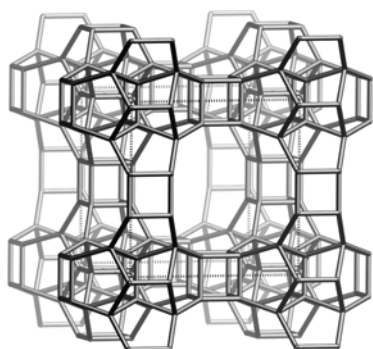


## Framework Type Data



framework viewed along [001]

**Idealized cell data:** tetragonal,  $P4_2/mmc$ ,  $a = 12.8\text{\AA}$ ,  $c = 13.0\text{\AA}$

**Coordination sequences and vertex symbols:**

$T_1(16,1)$	4	9	18	32	50	71	96	129	167	199	$4\cdot5\cdot4\cdot6\cdot4\cdot12_6$
$T_2(8,2)$	4	12	17	30	48	71	98	126	156	198	$5\cdot5\cdot5_2\cdot12_5\cdot6\cdot6$
$T_3(8,m)$	4	11	20	28	41	70	103	127	150	188	$4\cdot5_2\cdot5\cdot6\cdot5\cdot6$

**Secondary building units:** 6-2

**Composite building units:**

$d4r$



$mor$



$mtw$



**Materials with this framework type:**

\*FOS-5 (Beta polymorph C)<sup>(1)</sup>

ITQ-14 overgrowth<sup>(2)</sup>

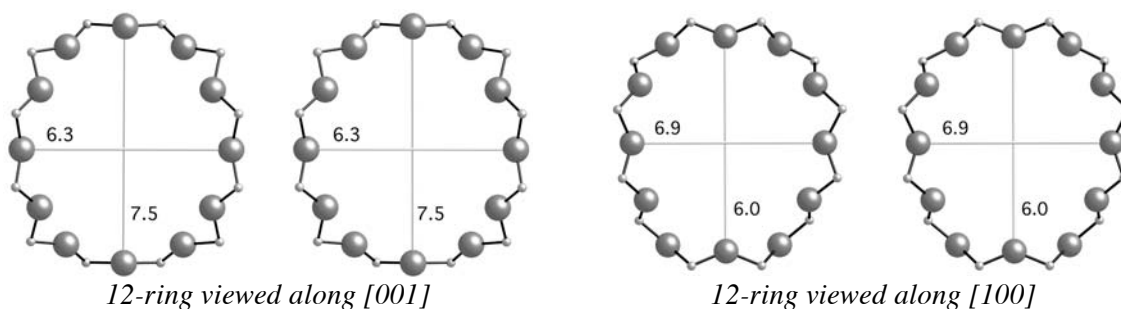
ITQ-17<sup>(3)</sup>

## Type Material Data

**Crystal chemical data:**  $[(C_3H_9N)_{48}(H_2O)_{36}] [Ge_{256}O_{512}]$ -BEC  
 tetragonal,  $I4_1/amd$ ,  $a = 25.990 \text{ \AA}$ ,  $c = 27.271 \text{ \AA}$  <sup>(1)</sup>  
 (Relationship to unit cell of Framework Type:  $a' = 2a$ ,  $c' = 2c$ )

**Framework density:**  $13.9 \text{ T}/1000 \text{ \AA}^3$

**Channels:**  $[001] \text{ 12 } 6.3 \times 7.5^* \leftrightarrow \langle 100 \rangle \text{ 12 } 6.0 \times 6.9^{**}$

**References:**

- (1) Conradsson, T., Dadachov, M.S. and Zou, X.D. *Microporous Mesoporous Mat.*, **41**, 183-191 (2000)
- (2) Liu, Z., Ohsuna, T., Terasaki, O., Cambor, M.A., Diaz-Cabañas, M.-J. and Hiraga, K. *J. Am. Chem. Soc.*, **123**, 5370-5371 (2001)
- (3) Corma, A., Navarro, M.T., Rey, F., Rius, J. and Valencia, S. *Angew. Chem., Int. Ed.*, **40**, 2277-2280 (2001)