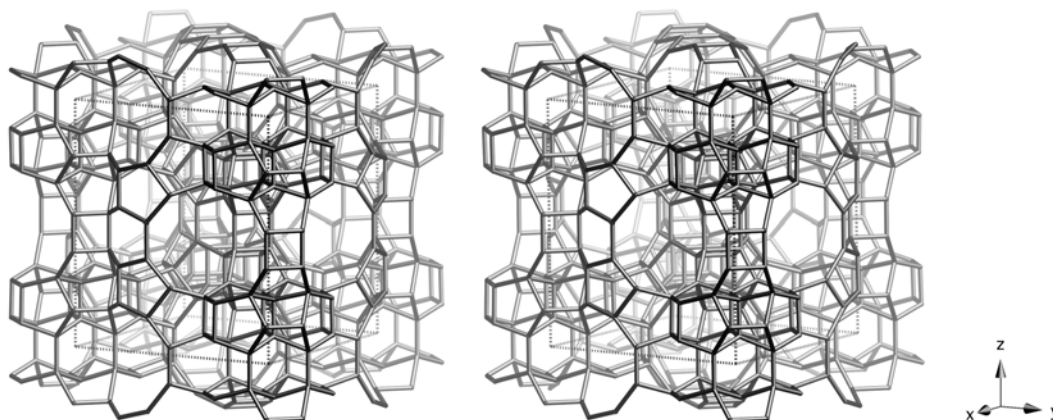


## Framework Type Data



framework viewed normal to [001]

**Idealized cell data:** tetragonal,  $P4_2/mnm$ ,  $a = 18.2\text{\AA}$ ,  $c = 20.6\text{\AA}$

**Coordination sequences and vertex symbols:**

$T_1(16,1)$	4	10	19	33	53	83	114	141	174	227	283	329	4·5·4·6·5·6
$T_2(16,1)$	4	10	21	34	57	84	112	139	181	230	274	317	4·5·4·10·5·6
$T_3(16,1)$	4	12	22	33	50	75	114	152	183	220	267	324	5·6·5 <sub>2</sub> ·6·6·10
$T_4(16,1)$	4	11	20	36	54	78	106	148	193	225	254	317	4·5 <sub>2</sub> ·5·5·5·10
$T_5(16,1)$	4	12	18	35	58	81	110	143	177	230	271	328	5·5·5·6·5 <sub>2</sub> ·10
$T_6(16,1)$	4	10	20	34	56	83	109	140	181	226	282	337	4·5·4·10·5·6
$T_7(8,..m)$	4	11	21	32	47	75	114	156	189	215	262	329	4·5·5·6·5·6
$T_8(8,..m)$	4	11	20	31	55	85	115	141	179	223	275	331	4·5 <sub>2</sub> ·5·6·5·6

**Secondary building units:** see *Compendium*

**Composite building units:***mor**bea**mtw***Materials with this framework type:**

\*MCM-68<sup>(1)</sup>

## Type Material Data

## Crystal chemical data:

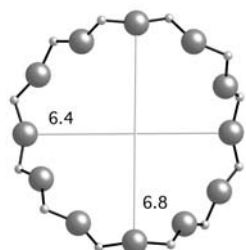
$[\text{Al}_{11.4}\text{Si}_{100.6}\text{O}_{224}]$ -MSE  
tetragonal,  $P4_2/mnm$ ,  $a = 18.286\text{\AA}$ ,  $c = 20.208\text{\AA}$ <sup>(1)</sup>

## Framework density:

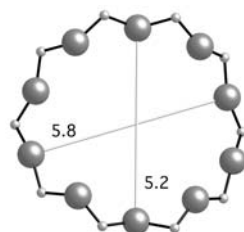
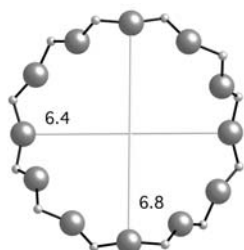
16.6 T/1000 $\text{\AA}^3$

## Channels:

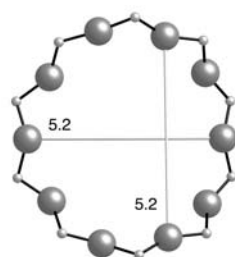
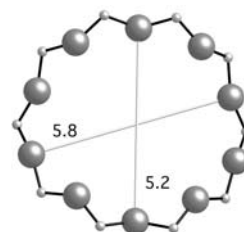
{[001] 12 6.4 x 6.8 ↔ [100] 10 5.2 x 5.8 ↔ [110] 10 5.2 x 5.2 }\*\*\*



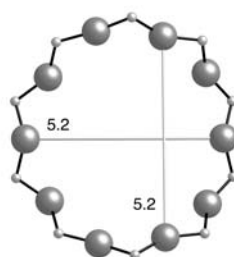
12-ring viewed along [001]



10-ring viewed along [100]



10-ring viewed along [110]



## References:

(1) Dorset, D.L., Weston, S.C. and Dhingra, S.S. *J. Phys. Chem. B*, **110**, 2045-2050 (2006)