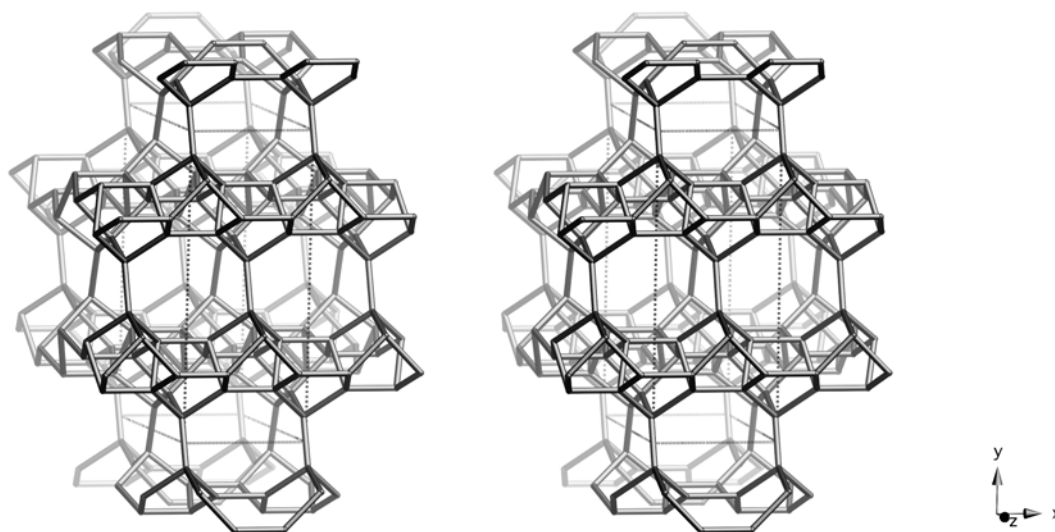


## Framework Type Data



framework viewed along [001]

**Idealized cell data:** orthorhombic,  $Cmcm$ ,  $a = 7.6\text{\AA}$ ,  $b = 18.7\text{\AA}$ ,  $c = 14.1\text{\AA}$

**Coordination sequences and vertex symbols:**

$T_1$ (16,1)	4	12	21	39	67	99	129	172	228	275	319	391	$5\cdot5\cdot5\cdot5_2\cdot5\cdot8$
$T_2$ (8,..m)	4	12	20	35	69	105	125	168	231	282	320	381	$5\cdot5_2\cdot5\cdot5_2\cdot8\cdot*$
$T_3$ (8,m..)	4	12	28	44	64	100	144	178	215	277	347	402	$5\cdot8_2\cdot5\cdot8_2\cdot5_2\cdot8_2$
$T_4$ (4,m2m)	4	12	24	42	66	98	130	172	228	278	334	398	$5\cdot5\cdot5\cdot5_2\cdot8_2$

**Secondary building units:** 5-1

**Composite building units:**

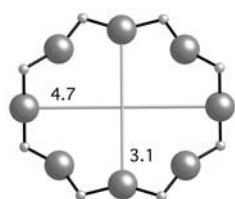
*fer*

**Materials with this framework type:**

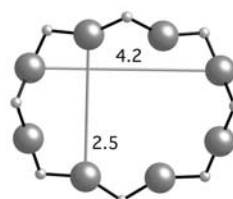
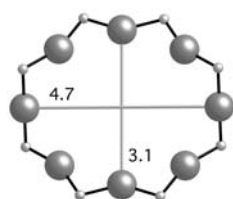
- \*CDS-1<sup>(1)</sup>
- MCM-65<sup>(2)</sup>
- UZM-25<sup>(3)</sup>

## Type Material Data

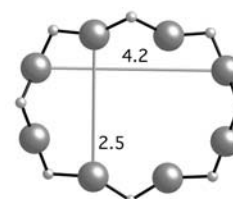
<b>Crystal chemical data:</b>	[Si <sub>36</sub> O <sub>72</sub> ]-CDO orthorhombic, <i>Pnma</i> , $a = 18.355\text{\AA}$ , $b = 13.779\text{\AA}$ , $c = 7.3674\text{\AA}$ <sup>(1)</sup> (Relationship to unit cell of Framework Type: $a' = b$ , $b' = c$ , $c' = a$ )
<b>Framework density:</b>	19.3 T/1000 $\text{\AA}^3$
<b>Channels:</b>	[010] 8 3.1 x 4.7* $\leftrightarrow$ [001] 8 2.5 x 4.2*



8-ring viewed along [010]



8-ring viewed along [001]

**References:**

- (1) Ikeda, T., Akiyama, Y., Oumi, Y., Kawai, A. and Mizukami, F. *Angew. Chem., Int. Ed.*, **43**, 4892-4896 (2004)
- (2) Dorset, D.L. and Kennedy, G.J. *J. Phys. Chem. B*, **108**, 15216-15222 (2004)
- (3) Broach, R.W. *private communication*