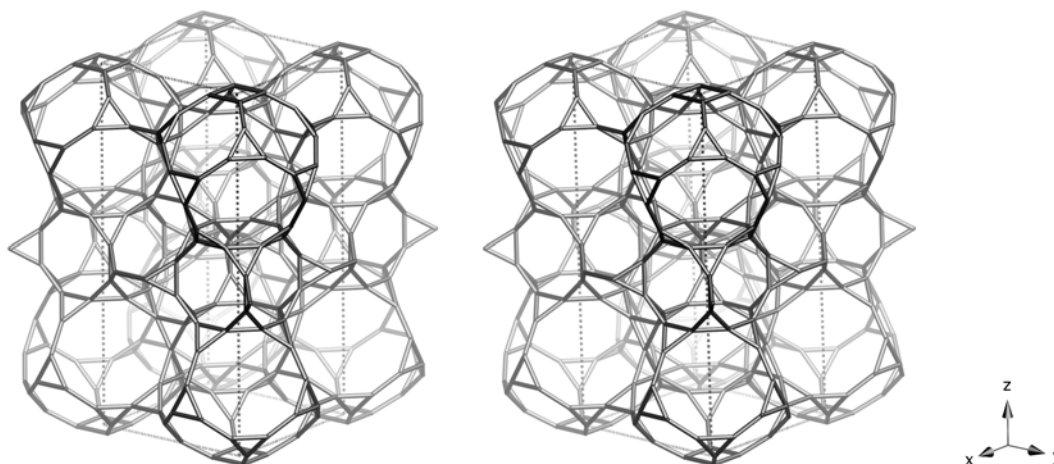


Framework Type Data



framework viewed normal to [001]

Idealized cell data: tetragonal, $I4/mmm$, $a = 13.9\text{\AA}$, $c = 30.8\text{\AA}$

Coordination sequences and vertex symbols:

$T_1 (32,1)$	4	8	16	30	45	69	95	126	162	194	242	295	3·3·8·8·8·10
$T_2 (16,m)$	4	8	16	30	50	67	93	122	154	204	256	292	3·3·8·10·8·10
$T_3 (16,..m)$	4	8	17	30	43	69	97	124	174	195	229	305	3·3·8·8·8·8
$T_4 (8,m.2m)$	4	9	18	32	46	64	93	130	170	214	247	260	3·4·8·8·8·8
$T_5 (4, \bar{4}m2)$	4	8	16	32	52	72	90	120	160	208	264	320	3·3·10·10·10·10

Secondary building units: see *Compendium*

Composite building units:

lov



vsv



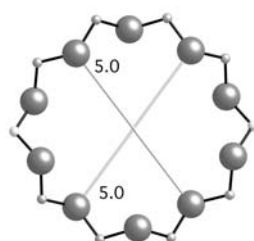
Materials with this framework type:

*OSB-2^(1,2)

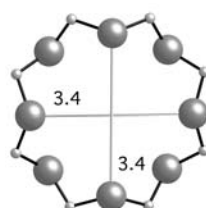
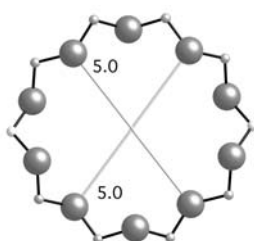
Type Material: OSB-2

Type Material Data

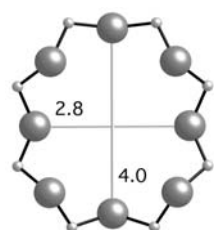
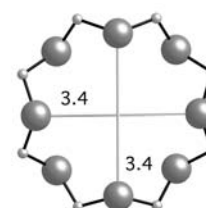
Crystal chemical data:	$\text{K}_{44}(\text{H}_2\text{O})_{96}[\text{Be}_{22}\text{Si}_{54}\text{O}_{150}]\text{-OBW}$ tetragonal, $I4/mmm$, $a = 13.7452\text{\AA}$, $c = 30.654\text{\AA}$ ⁽²⁾
Stability:	NH_4 -exchanged form not stable to heating ⁽²⁾
Framework density:	13.1 T/1000 \AA^3
Channels:	$\{ \langle 110 \rangle \mathbf{10} \ 5.0 \times 5.0^{**} \leftrightarrow ([001] \mathbf{8} \ 3.4 \times 3.4^* + \langle 101 \rangle \mathbf{8} \ 2.8 \times 4.0^{**}) \leftrightarrow \langle 100 \rangle \mathbf{8} \ 3.3 \times 3.4^{**} \}^{***}$



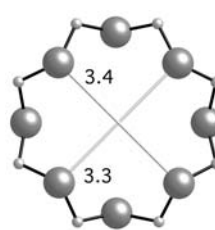
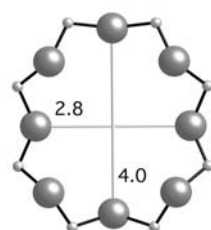
10-ring viewed along [110]



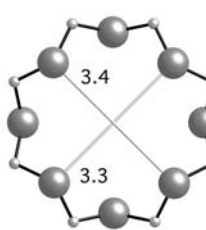
8-ring viewed along [001]



8-ring viewed along [101]



8-ring viewed along [100]

**References:**

- (1) Cheetham, A.K., Fjellvåg, H., Gier, T.E., Kongshaug, K.O., Lillerud, K.P. and Stucky, G.D. *Stud. Surf. Sci. Catal.*, **135**, 158 (2001)
- (2) Lillerud, K.P. *private communication*