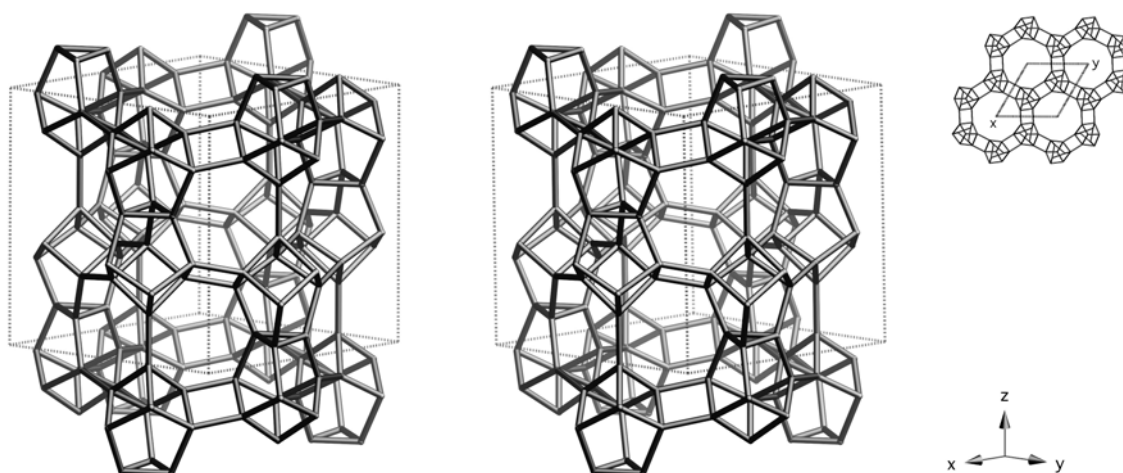


Framework Type Data



framework viewed normal to [001] (upper right: projection down [001])

Idealized cell data: hexagonal, $P6_3/m$, $a = 13.1\text{\AA}$, $c = 15.6\text{\AA}$

Coordination sequences and vertex symbols:

$T_1(12,1)$	4	9	18	30	46	63	94	125	152	183	4-4-4-12-5-7
$T_2(12,1)$	4	10	17	30	46	67	91	123	153	190	4-5-4-7-5-12
$T_3(6,m)$	4	10	16	26	46	66	94	114	158	194	3-7-5-5-5-5
$T_4(4,3)$	4	9	18	30	39	67	98	121	147	189	4-7-4-7-4-7

Secondary building units: see *Compendium*

Composite building units:

mei

**Materials with this framework type:**

*ZSM-18⁽¹⁾

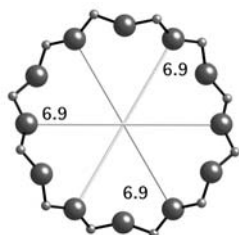
ECR-40⁽²⁾

Type Material Data

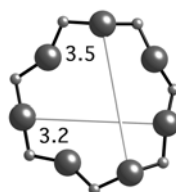
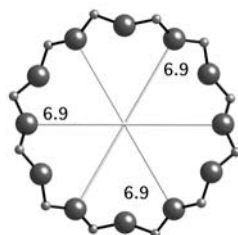
Crystal chemical data: $[\text{Na}_n (\text{H}_2\text{O})_{28}] [\text{Al}_n \text{Si}_{34-n} \text{O}_{68}] \text{-MEI}$, $n = 2.1 - 5.7$
hexagonal, $P6_3/m$, $a = 13.175 \text{ \AA}$, $c = 15.848 \text{ \AA}$ ⁽¹⁾

Framework density: $14.3 \text{ T}/1000 \text{ \AA}^3$

Channels: $[001] \text{ 12 } 6.9 \times 6.9^* \leftrightarrow \perp [001] \text{ 7 } 3.2 \times 3.5^{**}$



12-ring viewed along [001]



7-ring viewed normal to [001]

References:

- (1) Lawton, S.L. and Rohrbaugh, W.J. *Science*, **247**, 1319-1321 (1990)
- (2) Afeworki, M., Dorset, D.L., Kennedy, G.J and Strohmaier, K.G. *Stud. Surf. Sci. Catal.*, **154**, 1274-1281 (2004)