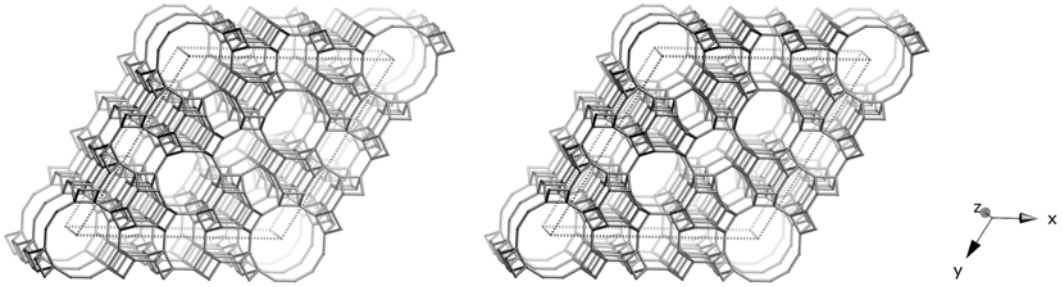
MOZ

P*6/*mmm

Framework Type Data



framework viewed along [001]

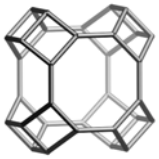
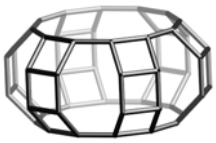
Idealized cell data: hexagonal, *P*6/*mmm*, a = 31.2Å, c = 7.6Å

Coordination sequences and vertex symbols:

T_1 (24,1)	4	9	17	29	46	70	100	130	155	179	215	271	4·4·4·6·6·8
T_2 (24,1)	4	9	17	29	47	72	101	130	158	190	227	270	4·4·4·6·6·8
T_3 (24,1)	4	9	17	31	53	78	100	122	151	190	237	287	4·4·4·6·6·8
T_4 (12,*m*..)	4	10	21	35	49	66	90	121	157	195	233	274	$4\cdot8_3\cdot4\cdot8_3\cdot6\cdot12$
T_5 (12,*m*..)	4	10	21	34	46	64	92	127	169	211	245	272	$4\cdot8_3\cdot4\cdot8_3\cdot6\cdot8$
T_6 (12,*m*..)	4	10	21	35	51	71	94	124	163	204	243	284	4·8·4·8·6·8

Secondary building units: 6 or 4-2

Composite building units:

dsc	*d6r*	*can*	*pau*	*ltl*
double sawtooth chain				

Materials with this framework type:

*ZSM-10[1-3]

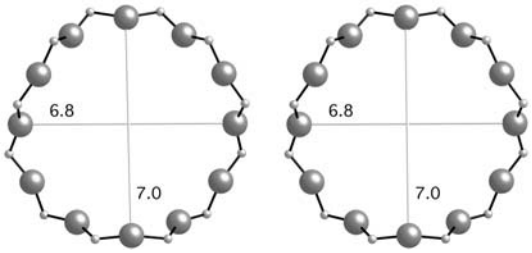
Type Material: ZSM-10 — MOZ

Type Material Data

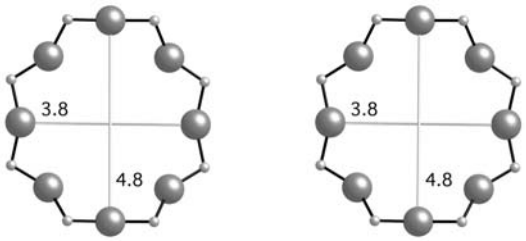
Crystal chemical data: $|K_{24}(H_2O)_x|[Al_{24}Si_{84}O_{216}]$-**MOZ**
hexagonal, *P*6/*mmm*, *a* = 31.575 Å, *c* = 7.525 Å [3]

Framework density: 16.6 T/1000Å^3

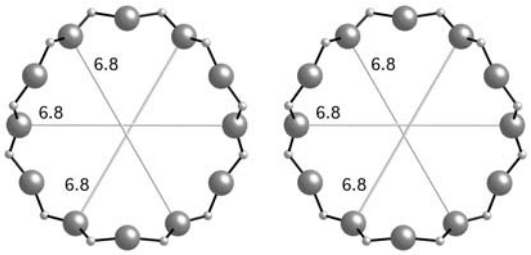
Channels: {[001] **12** 6.8 x 7.0 ↔ n[001] **8** 3.8 x 4.8}*** | [001] **12** 6.8 x 6.8*



12-ring viewed along [001]



8-ring viewed normal to [001]



2nd 12-ring viewed along [001]

References:

(1) Higgins, J.B. and Schmitt, K.D. *Zeolites*, **16**, 236-244 (1996)
(2) Foster, M.D., Treacy, M.M.J., Higgins, J.B., Rivin, I., Balkovsky, E. and Randall, K.H. *J. Appl. Crystallogr.*, **38**, 1028-1030 (2005)
(3) Dorset, D.L. *Z. Kristallogr.*, **221**, 260-265 (2006)