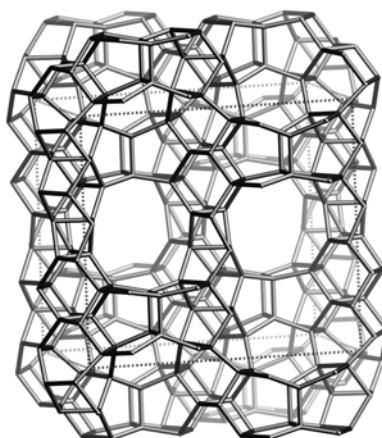
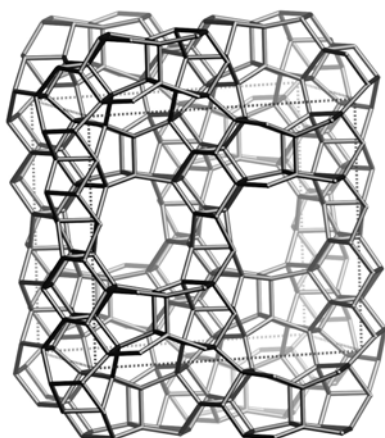


Framework Type Data



framework viewed along [100]

Idealized cell data: orthorhombic, *Cmme*, $a = 13.9\text{\AA}$, $b = 22.9\text{\AA}$, $c = 20.6\text{\AA}$

Coordination sequences and vertex symbols:

T ₁ (16,1)	4	11	21	36	59	92	129	167	197	246	4·6·5·5·5 ₂ ·10
T ₂ (16,1)	4	12	25	41	64	88	122	160	202	256	5·6·5·6·5·6
T ₃ (16,1)	4	12	23	38	60	89	124	159	194	248	5·5 ₂ ·5·6·5·6
T ₄ (16,1)	4	12	22	39	59	91	124	160	206	257	5·5·5·6 ₂ ·5·10
T ₅ (8, <i>m</i>)	4	12	20	31	61	88	120	159	197	248	5·5·5·5·5·6 ₂
T ₆ (8, <i>m</i>)	4	12	20	34	57	92	131	164	202	236	5·5 ₂ ·5·5 ₂ ·12 ₂ ·*
T ₇ (8, <i>m</i>)	4	12	24	39	60	91	126	161	195	243	5·6·5·6·5·6 ₂
T ₈ (8, <i>m</i>)	4	12	24	36	56	90	127	157	197	236	5·5·5·5·12 ₄ ·*
T ₉ (8, <i>m</i>)	4	11	23	45	67	88	115	162	218	261	4·6·5·5·5·5
T ₁₀ (8, <i>m</i>)	4	11	24	39	68	92	118	156	213	268	4·10·5·5·5·5

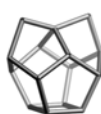
Secondary building units: 1-5-1

Composite building units:

cas



non



Materials with this framework type:

*EU-1^(1,2)

[B-Si-O]-EUO^(3,4)

TPZ-3⁽⁵⁾

ZSM-50⁽⁶⁾

o-FDBDM-ZSM-50⁽⁷⁾

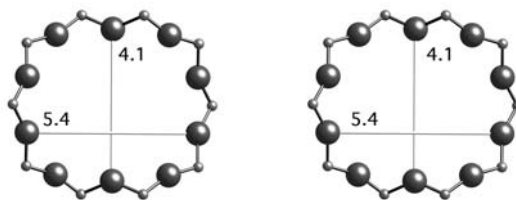
Type Material: EU-1

Type Material Data

Crystal chemical data: $[\text{Na}_n(\text{H}_2\text{O})_{26}] [\text{Al}_n\text{Si}_{112-n}\text{O}_{224}]$ -EUO, $n < 19$, typically $n \sim 3.6$
orthorhombic, *Cmme*, $a = 13.695 \text{ \AA}$, $b = 22.326 \text{ \AA}$, $c = 20.178 \text{ \AA}$ ⁽²⁾

Framework density: 18.2 T/1000 \AA^3

Channels: [100] **10** 4.1 x 5.4* with large side pockets



10-ring viewed along [100]

References:

- (1) Casci, J.L., Lowe, B.M. and Whittam, T.V. *U.S. Patent 4,537,754* (1985)
- (2) Briscoe, N.A., Johnson, D.W., Shannon, M.D., Kokotailo, G.T. and McCusker, L.B. *Zeolites*, **8**, 74-76 (1988)
- (3) Grünewald-Luke, A., Marler, B., Hochgrafe, M. and Gies, H. *J. Mater. Chem.*, **9**, 2529-2536 (1999)
- (4) Millini, R., Carluccio, L.C., Carati, A. and Parker, W.O. *Microporous Mesoporous Mat.*, **46**, 191-201 (2001)
- (5) Sumitani, K., Sakai, T., Yamasaki, Y. and Onodera, T. *E. Patent EP 51318* (1982)
- (6) Rohrbaugh, W.J. *private communication*
- (7) Arranz, M., Perez-Pariente, J., Wright, P.A., Slawin, A.M.Z., Blasco, T., Gomez-Hortiguera, L. and Cora, F. *Chem. Mater.*, **17**, 4374-4385 (2005)