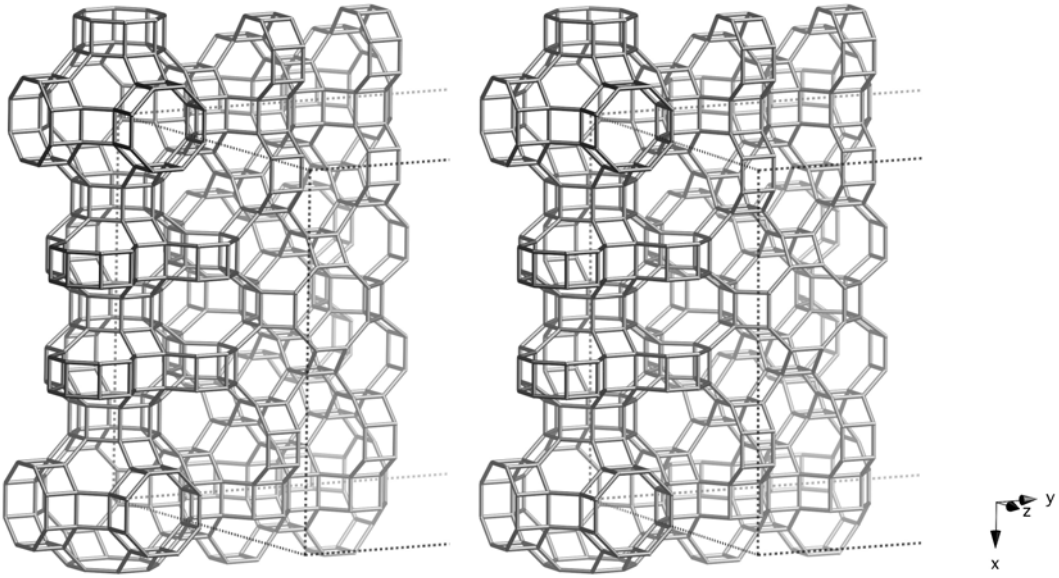
PAU

$Im\bar{3}m$

Framework Type Data



framework viewed along [001]

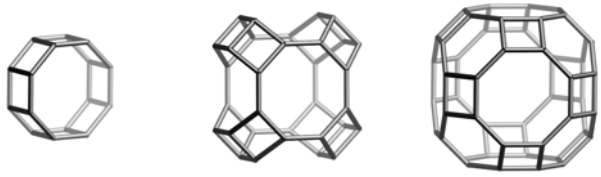
Idealized cell data: cubic, $Im\bar{3}m$, a = 34.8Å

Coordination sequences and vertex symbols:
see Appendix A for a list of the coordination sequences and vertex symbols for the 8 T-atoms

Secondary building units: 4 or 8

Composite building units:

d8r *pau* *lta*



Materials with this framework type:
*Paulingite[1,2]
[Ga-Si-O]-**PAU**[3]
ECR-18[4,5]
Paulingite, Vinaricka Hora[6]

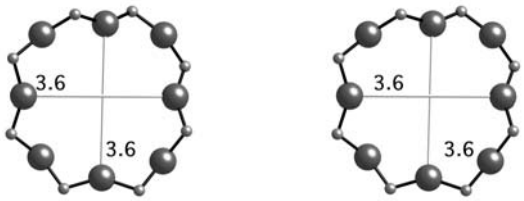
Type Material: Paulingite **PAU**

Type Material Data

Crystal chemical data: **I** $(Ca,K_2,Na_2)_{76}$ $(H_2O)_{700}$**I** **[**$Al_{152}Si_{520}O_{1344}$**]-PAU**
cubic, $Im\bar{3}m$, a = 35.093Å [1]

Framework density: 15.5 T/1000Å^3

Channels: <100> **8** 3.6x3.6*** I <100> **8** 3.6 x 3.6***



8-ring viewed along <100>

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(1) Gordon, E.K., Samson, S. and Kamb, W.K. *Science*, **154**, 1004-1007 (1966)
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(3) Kim, D.J., Shin, C.H. and Hong, S.B. *Microporous Mesoporous Mat.*, **83**, 319-325 (2005)
(4) Vaughan, D.E.W. and Strohmaier, G. *U.S. Patent 4,661,332* (1987)
(5) Vaughan, D.E.W. and Strohmaier, K.G. *Microporous Mesoporous Mat.*, **28**, 233-239 (1999)
(6) Lengauer, C.L., Giester, G. and Tillmanns, E. *Mineral. Mag.*, **61**, 591-606 (1997)