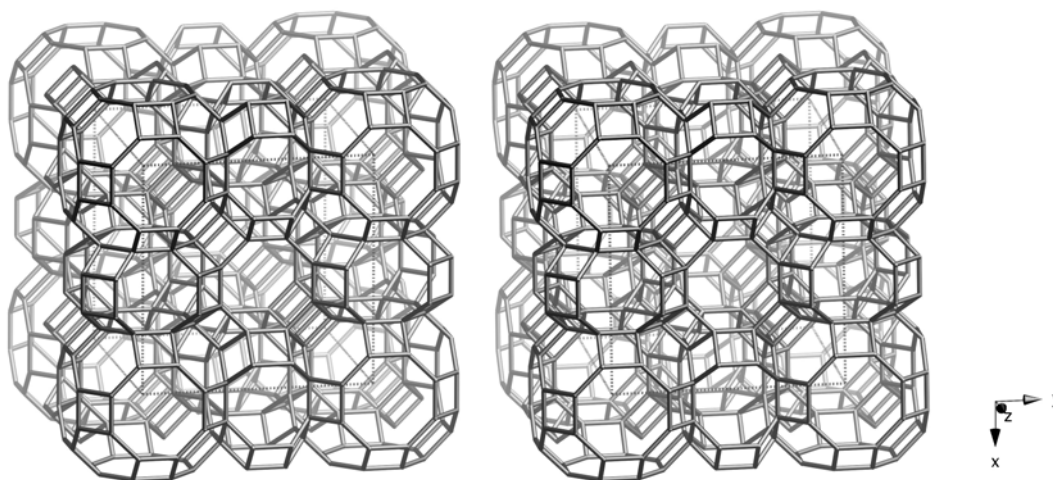


Framework Type Data



framework viewed along [001]

Idealized cell data: cubic, $Im\bar{3}m$, $a = 18.6\text{\AA}$

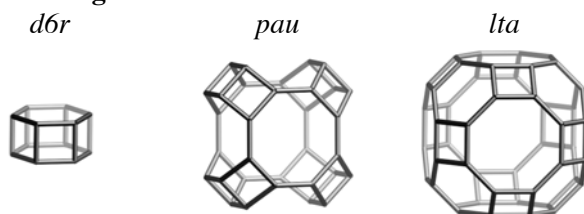
Coordination sequences and vertex symbols:

$T_1(96,1)$ 4 9 17 29 45 64 86 112 141 173

4-4-4-8-6-8

Secondary building units: 6-6 or 6-2 or 8 or 6 or 4-2 or 4

Composite building units:



Materials with this framework type:

*ZK-5⁽¹⁾

(Cs,K)-ZK-5^(2,3)

[Zn-Ga-As-O]-KFI⁽⁴⁾

118-crown-6[Al-Si-O]-KFI⁽⁵⁾

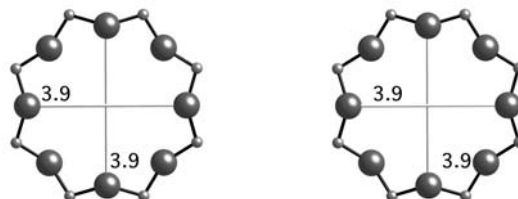
P⁽⁶⁾

Q⁽⁶⁾

Type Material: ZK-5

Type Material Data

Crystal chemical data:	$\text{[Na}_{30}(\text{H}_2\text{O})_{98}\text{][Al}_{30}\text{Si}_{66}\text{O}_{192}\text{]-KFI}$ cubic, $Im\bar{3}m$, $a = 18.75\text{\AA}$ ⁽¹⁾
Framework density:	14.6 T/1000 \AA^3
Channels:	$\langle 100 \rangle$ 8 3.9 x 3.9*** $\langle 100 \rangle$ 8 3.9 x 3.9***

8-ring viewed along $\langle 100 \rangle$ **References:**

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- (2) Robson, H.E. *U.S. Patent 3,720,753* (1973)
- (3) Parise, J.B., Shannon, R.D., Prince, E. and Cox, D.E. *Z. Kristallogr.*, **165**, 175-190 (1983)
- (4) Feng, P., Zhang, T. and Bu, X. *J. Am. Chem. Soc.*, **123**, 8608-8609 (2001)
- (5) Chatelain, T., Patarin, J., Farre, R., Petigny, O. and Schulz, P. *Zeolites*, **17**, 328-333 (1996)
- (6) Barrer, R.M. and Robinson, D. *Z. Kristallogr.*, **135**, 374-390 (1972)