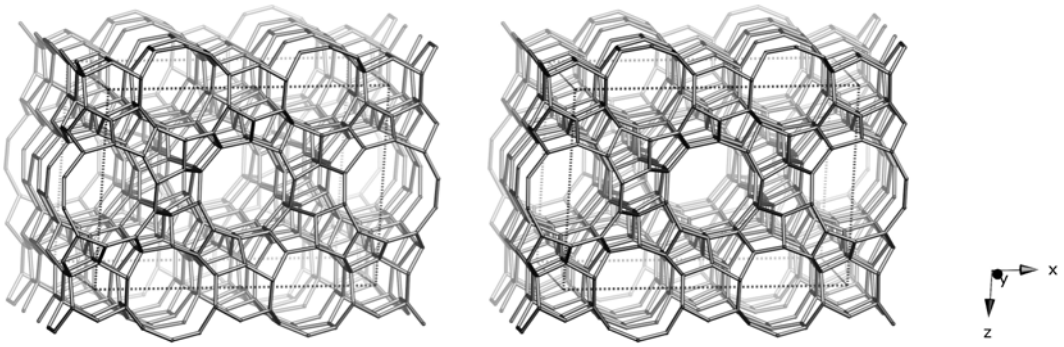
TUN

C*2/*m

Framework Type Data



framework viewed along [010]

Idealized cell data: monoclinic, *C*2/*m*, *a* = 27.8Å, *b* = 20.0Å, *c* = 19.6Å, β = 93.2°

Coordination sequences and vertex symbols:

see Appendix A for a list of the coordination sequences and vertex symbols for the 24 T-atoms

Secondary building units: 5-1

Composite building units:

mor *mtt* *cas* *lau* *stf*

Materials with this framework type:

*TNU-9[1]

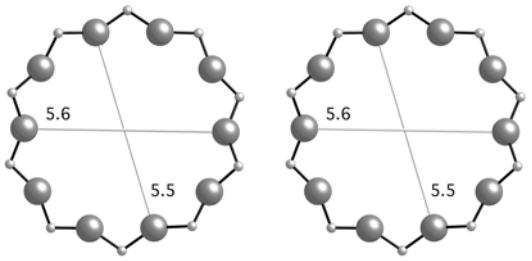
Type Material: TNU-9 TUN

Type Material Data

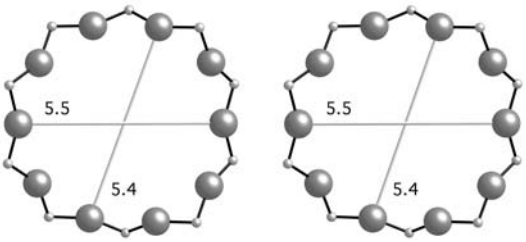
Crystal chemical data: $|H_{9.3}|$ [$Al_{9.3}Si_{182.7}O_{384}$]-**TUN**
monoclinic, *C*2/*m*
a = 28.2219 Å, *b* = 20.0123 Å, *c* = 19.4926 Å, β = 92.33 ° (1)

Framework density: 17.5 T/1000Å^3

Channels: {[010] **10** 5.6 x 5.5 ↔ [$10\bar{1}$] **10** 5.4 x 5.5}***
(There are 2 different channels along [010]; the smaller is 5.1 x 5.5 Å)



10-ring viewed along [010]



10-ring viewed along [$10\bar{1}$]

References:

(1) Gramm, F., Baerlocher, Ch., McCusker, L.B., Warrender, S.J., Wright, P.A., Han, B., Hong, S.B., Liu, Z., Ohsuna, T. and Terasaki, O. *Nature*, **444**, 79-81 (2006)