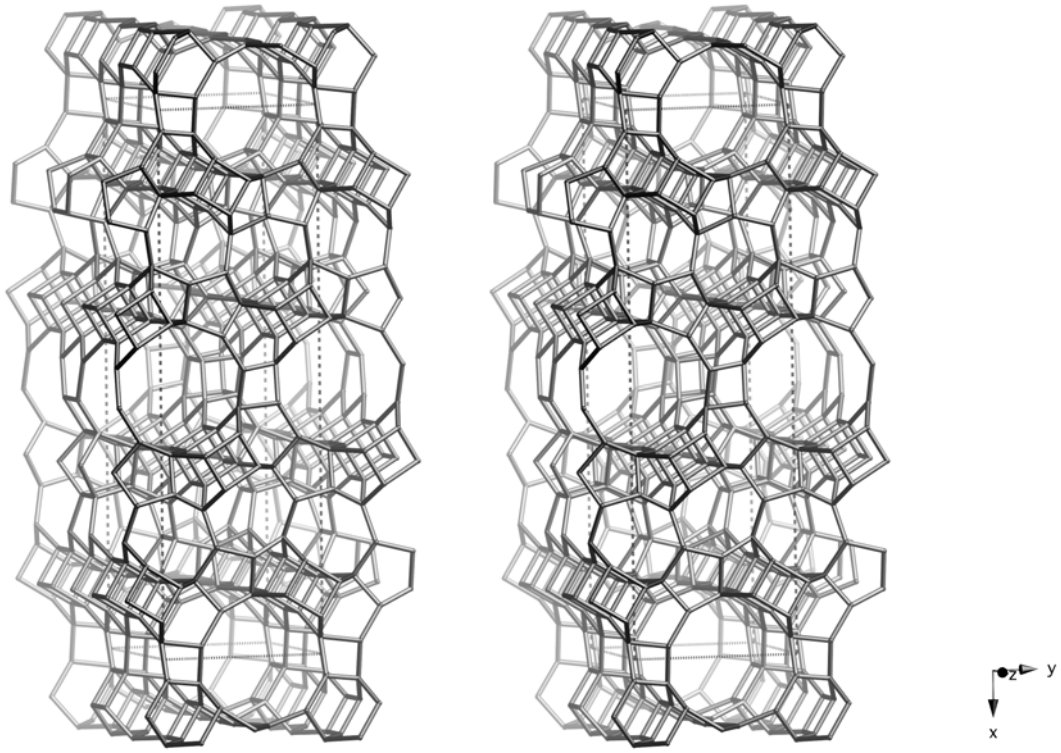
IWW *Pbam*

Framework Type Data



framework viewed along [001]

Idealized cell data: orthorhombic, *Pbam*, a = 41.7Å, b = 12.7Å, c = 12.7Å

Coordination sequences and vertex symbols:
see Appendix A for a list of the coordination sequences and vertex symbols for the 16 T-atoms

Secondary building units: 1-5-1

Composite building units:

d4r *mor* *bre* *lau* *stf* *mel*

Materials with this framework type:
*ITQ-22[1]

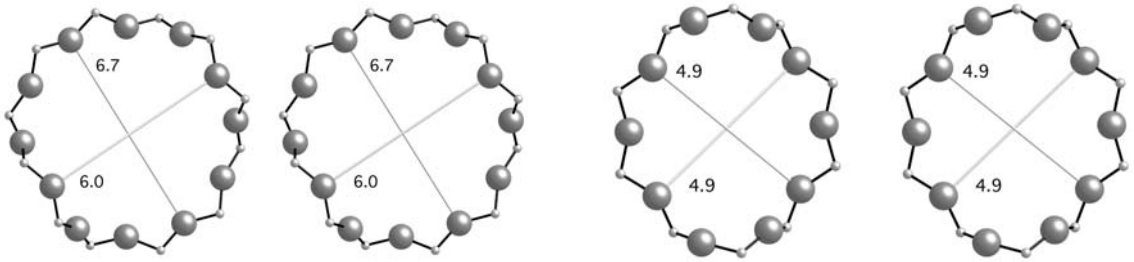
Type Material: ITQ-22 IWW

Type Material Data

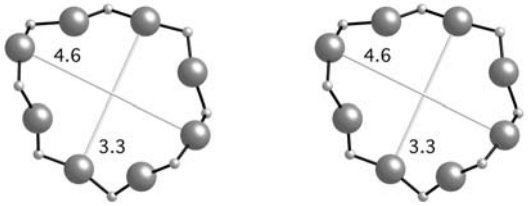
Crystal chemical data: **[$Ge_{22.2}Si_{89.8}O_{224}$]-IWW**
orthorhombic, *Pbam*, *a* = 42.1326Å, *b* = 12.9885Å, *c* = 12.6814Å [(1)]

Framework density: 16.1 T/1000Å^3

Channels: [001] **12** 6.0 x 6.7* ↔ ⊥ [001] **10** 4.9 x 4.9** ↔ [001] **8** 3.3 x 4.6*



12-ring viewed along [001] *10-ring viewed normal to [001]*



8-ring viewed allong [001]

References:
(1) Corma, A., Rey, F., Valencia, S., Jorda, J.L. and Rius, J. *Nature Materials*, **2**, 493-497 (2003)