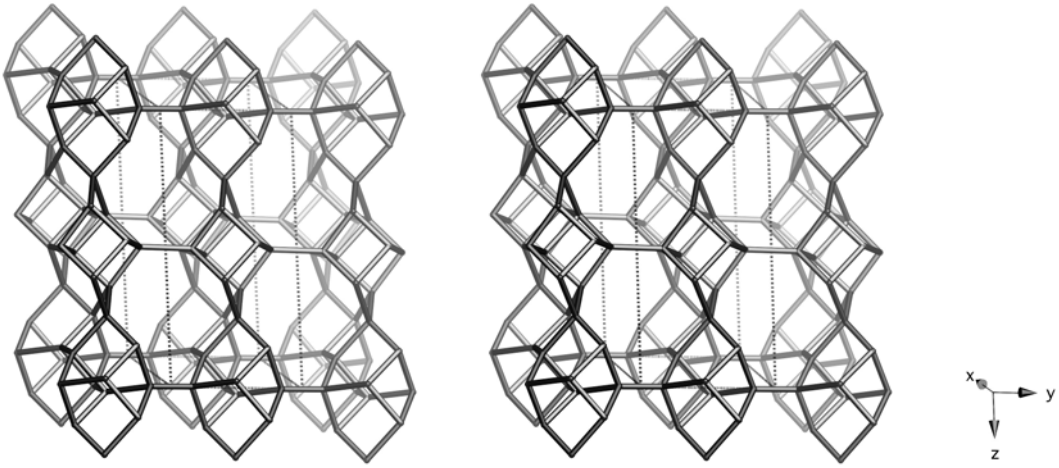
RRO

P2/c

Framework Type Data



framework viewed along [100]

Idealized cell data: monoclinic, *P*2/*c*, *a* = 7.4Å, *b* = 8.6Å, *c* = 17.2Å, β = 113.7°

Coordination sequences and vertex symbols:

T_1 (4,1)	4	11	23	40	56	83	130	163	182	226	300	371	$4{\cdot}8{\cdot}5{\cdot}8{\cdot}5{\cdot}10_4$
T_2 (4,1)	4	10	19	37	59	86	111	149	201	241	281	340	$4{\cdot}5{\cdot}4{\cdot}8{\cdot}5{\cdot}5$
T_3 (4,1)	4	11	21	36	62	90	111	148	203	252	285	331	$4{\cdot}5{\cdot}5{\cdot}5{\cdot}5{\cdot}10_3$
T_4 (4,1)	4	10	20	34	62	86	108	150	201	242	285	329	$4{\cdot}5{\cdot}4{\cdot}5{\cdot}5{\cdot}8$
T_5 (2,2)	4	12	18	34	62	90	112	136	198	264	286	314	$5{\cdot}5{\cdot}5_2{\cdot}5_2{\cdot}10{\cdot}10_3$

Secondary building units: 4-4=1

Composite building units:

bre

Materials with this framework type:

*RUB-41[(1)]

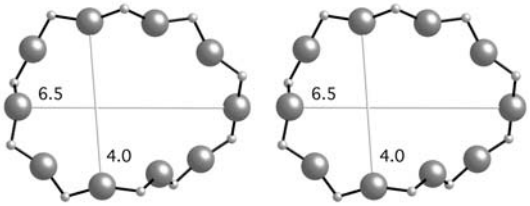
Type Material: RUB-41 RRO

Type Material Data

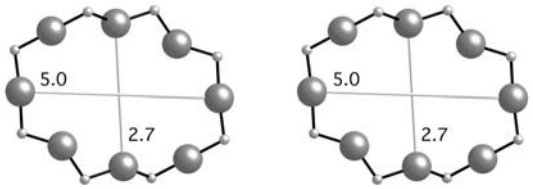
Crystal chemical data: $[Si_{18}O_{36}]$-**RRO**
monoclinic, *P*2/*c*
a = 7.345 Å, *b* = 8.724 Å, *c* = 17.152 Å, β = 114.2° (1)

Framework density: 18 T/1000Å^3

Channels: [100] **10** 4.0 x 6.5* ↔ [001] **8** 2.7 x 5.0*



10-ring viewed along [100]



8-ring viewed along [001]

References:
(1) Wang, Y., Marler, B., Gies, H. and Müller, U. *Chem. Mater*., **17**, 43-49 (2005)