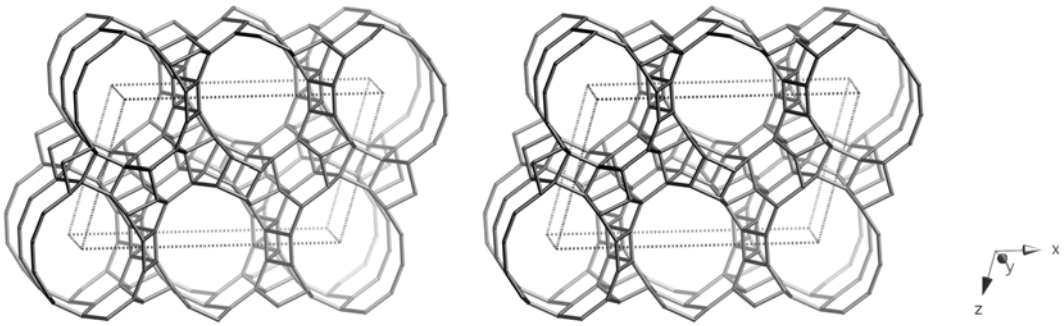
SFN *C2/m*

Framework Type Data



framework viewed along [010]

Idealized cell data: monoclinic, *C*2/*m*, *a* = 25.2Å, *b* = 5.3Å, *c* = 15.0Å, β = 103.9°

Coordination sequences and vertex symbols:

T_1 (4,*m*)	4	11	22	35	56	73	103	131	173	217	265	297	$4{\cdot}6_2{\cdot}5{\cdot}6{\cdot}5{\cdot}6$
T_2 (4,*m*)	4	11	22	38	51	76	99	135	176	220	251	296	$4{\cdot}6_2{\cdot}5{\cdot}6{\cdot}5{\cdot}6$
T_3 (4,*m*)	4	12	22	35	51	74	108	146	171	199	242	302	$5{\cdot}6_2{\cdot}5{\cdot}6_2{\cdot}6_2{\cdot}14_6$
T_4 (4,*m*)	4	12	19	34	55	79	101	139	163	209	263	306	$5{\cdot}6{\cdot}5{\cdot}6{\cdot}5_2{\cdot}6$
T_5 (4,*m*)	4	12	23	35	52	73	106	142	176	205	246	295	$5{\cdot}6{\cdot}5{\cdot}6{\cdot}6{\cdot}6_2$
T_6 (4,*m*)	4	12	21	34	49	78	109	138	176	196	238	310	$5{\cdot}6_2{\cdot}5{\cdot}6_2{\cdot}5_2{\cdot}6$
T_7 (4,*m*)	4	10	20	31	53	73	106	130	169	206	252	297	$4{\cdot}5{\cdot}4{\cdot}5{\cdot}14_6{\cdot}*$
T_8 (4,*m*)	4	10	19	34	48	76	102	139	166	205	242	299	$4{\cdot}5{\cdot}4{\cdot}5{\cdot}6{\cdot}14_6$

Secondary building units: 5-3

Composite building units:

dzc	*jbw*	*cas*	*mtw*
double zigzag chain			

Materials with this framework type:

*SSZ-59[1]

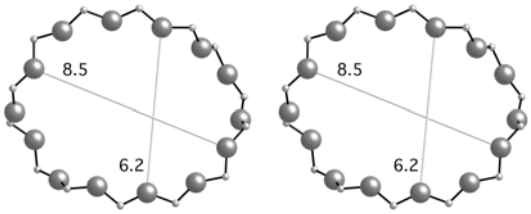
Type Material: SSZ-59 SFN

Type Material Data

Crystal chemical data: $[B_{0.35}Si_{15.65}O_{32}]$-**SFN**
triclinic, $P\bar{1}$, a = 5.023Å, b = 12.735Å, c = 14.722Å
α = 103.44°, β = 90.51°, γ = 100.88° (1)

Framework density: 17.8 T/1000Å^3

Channels: [001] **14** 6.2 x 8.5*



14-ring viewed along [001]

References:

(1) Burton, A., Elomari, S., Chen, C.Y., Medrud, R.C., Chan, I.Y., Bull, L.M., Kibby, C., Harris, T.V., Zones, S.I. and Vittoratos, E.S. *Chem. Eur. Journal*, **9**, 5737-5748 (2003)