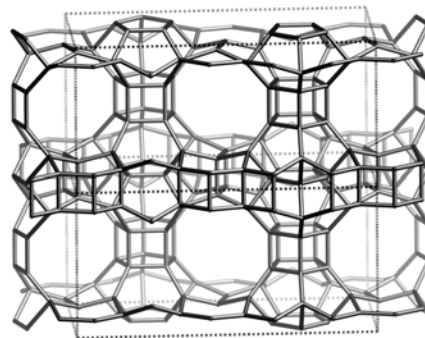
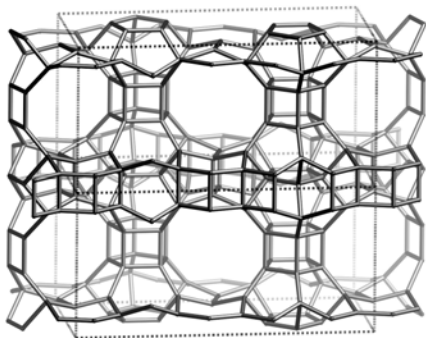


Framework Type Data



framework viewed along [001]

Idealized cell data: orthorhombic, *Pmma*, $a = 25.5\text{\AA}$, $b = 12.6\text{\AA}$, $c = 13.1\text{\AA}$

Coordination sequences and vertex symbols:

T ₁ (8,1)	4	12	24	38	61	83	117	159	205	246	293	359	5·6·5·7·6·6 ₂
T ₂ (8,1)	4	11	22	38	55	79	114	158	201	242	298	355	4·7 ₂ ·5·6·5·6 ₂
T ₃ (8,1)	4	12	22	35	61	86	121	155	199	248	306	360	5·6·5·6·6·6 ₂
T ₄ (8,1)	4	10	20	37	62	90	120	155	193	241	304	374	4·6 ₂ ·4·6 ₂ ·5·10
T ₅ (4, <i>m</i> .)	4	12	24	36	53	85	120	150	192	241	294	371	5·5 ₂ ·6·6 ₂ ·6·6 ₂
T ₆ (4, <i>m</i> .)	4	12	22	35	52	88	118	148	182	244	307	363	5·5 ₂ ·6 ₂ ·6 ₂ ·6 ₂ ·6 ₂
T ₇ (8,1)	4	11	21	37	56	85	122	161	192	240	305	364	4·6·5·6 ₂ ·5·6 ₂
T ₈ (8,1)	4	10	21	40	63	88	118	156	200	247	299	361	4·6·4·6 ₂ ·5·10 ₂
T ₉ (4, <i>m</i> .)	4	12	24	36	56	80	116	156	193	235	303	367	5·6·5·6·6 ₂ ·7 ₂
T ₁₀ (2, <i>mm</i> 2)	4	12	22	36	52	78	122	148	180	236	306	364	5·5 ₂ ·6 ₂ ·6 ₂ ·6 ₂ ·6 ₂
T ₁₁ (8,1)	4	10	20	36	58	83	112	152	206	250	288	344	4·6·4·6 ₂ ·5·6
T ₁₂ (4, <i>m</i> .)	4	10	20	38	61	86	117	152	196	246	304	360	4·6 ₂ ·4·6 ₂ ·5·10 ₂

Secondary building units: see *Compendium*

Composite building units:

mel



Materials with this framework type:

*SSZ-58⁽¹⁾

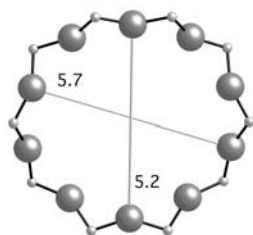
Type Material: SSZ-58

Type Material Data

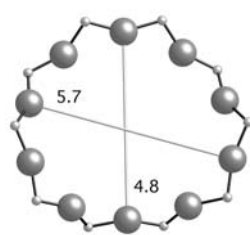
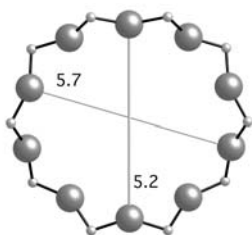
Crystal chemical data: $[B_{2.25}Si_{71.75}O_{148}]$ -SFG
orthorhombic, $Pmma$, $a = 25.1118\text{\AA}$, $b = 12.4976\text{\AA}$, $c = 12.8598\text{\AA}$ ⁽¹⁾

Framework density: 18.3 T/1000 \AA^3

Channels: [001] **10** 5.2 x 5.7* \leftrightarrow [100] **10** 4.8 x 5.7*



10-ring viewed along [001]



10-ring viewed along [100]

References:

- (1) Burton, A., Elomari, S., Medrud, R.C., Chan, I.Y., Chen, C.-Y., Bull, L.M. and Vittoratos, E.S. *J. Am. Chem. Soc.*, **125**, 1633-1642 (2003)