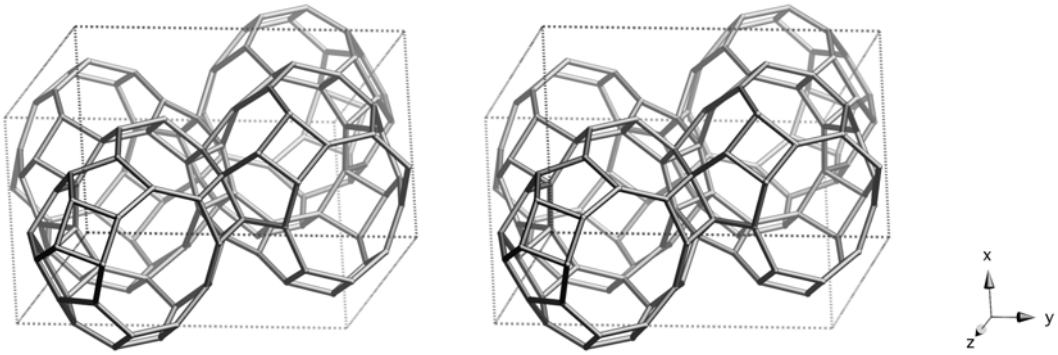
STT

$P2_1/n$

Framework Type Data



framework viewed normal to [100]

Idealized cell data: monoclinic, $P2_1/n$, a = 13.1Å, b = 21.9Å, c = 13.6Å, β = 102.9°

Coordination sequences and vertex symbols:

T_1 (4,1)	4	11	22	36	55	84	111	142	179	233	4·5·5·7·6·9
T_2 (4,1)	4	10	23	37	57	78	108	146	187	225	4·4·5·9·6·7
T_3 (4,1)	4	11	20	35	54	84	108	142	178	225	4·6·5·6·5·7
T_4 (4,1)	4	10	19	32	55	81	109	141	174	223	4·5·4·6·5·5
T_5 (4,1)	4	9	21	38	57	78	104	144	195	220	4·4·4·9·5·7
T_6 (4,1)	4	10	20	40	57	78	105	143	191	226	4·5·4·7·5·9
T_7 (4,1)	4	10	20	35	57	77	108	139	184	230	4·6·4·6·5·7
T_8 (4,1)	4	10	19	35	54	77	108	146	174	215	4·5·4·9·5·6
T_9 (4,1)	4	11	19	34	53	81	115	140	173	219	4·6·5·5·5·5
T_{10} (4,1)	4	10	21	31	51	83	115	134	172	216	4·6·4·6·5·5
T_{11} (4,1)	4	12	20	31	50	88	117	137	167	221	$5{\cdot}5_2{\cdot}5{\cdot}6{\cdot}6{\cdot}6$
T_{12} (4,1)	4	10	18	35	59	77	107	150	179	221	4·5·4·9·5·5
T_{13} (4,1)	4	10	20	38	55	75	104	149	185	218	4·4·5·6·5·9
T_{14} (4,1)	4	12	21	33	58	86	112	141	174	226	5·5·5·6·5·7
T_{15} (4,1)	4	11	21	33	55	78	111	145	175	217	4·5·5·6·5·9
T_{16} (4,1)	4	11	20	32	54	89	115	138	172	221	$4{\cdot}6_2{\cdot}5{\cdot}5{\cdot}5{\cdot}5$

Secondary building units: 5-3

Composite building units:

bea *cas*

Materials with this framework type:

*SSZ-23[1]

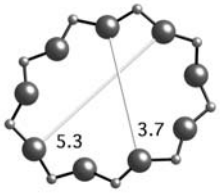
Type Material: SSZ-23 STT

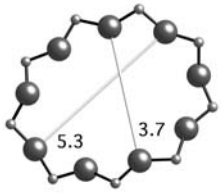
Type Material Data

Crystal chemical data: $|(C_{13}H_{24}N)_{4.1}\ F_{3.3}(OH)_{0.8}|\ [Si_{64}O_{128}]$-**STT**
$C_{13}H_{24}N$ = N,N,N-trimethyl-1-adamantammonium
monoclinic, $P2_1/n$
a = 12.959Å, b = 21.792Å, c = 13.598Å, β = 101.85° (1)

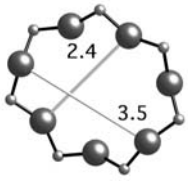
Framework density: 17 T/1000Å^3

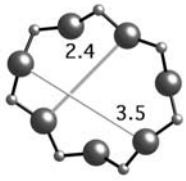
Channels: [101] **9** 3.7 x 5.3* ↔ [001] **7** 2.4 x 3.5*





9-ring viewed along [101]





7-ring viewed along [001]

References:

(1) Camblor, M.A., Diaz-Cabanas, M.-J., Perez-Pariente, J., Teat, S.J., Clegg, W., Shannon, I.J., Lightfoot, P., Wright, P.A. and Morris, R.E. *Angew. Chem., Int. Ed.*, **37**, 2122-2126 (1998)