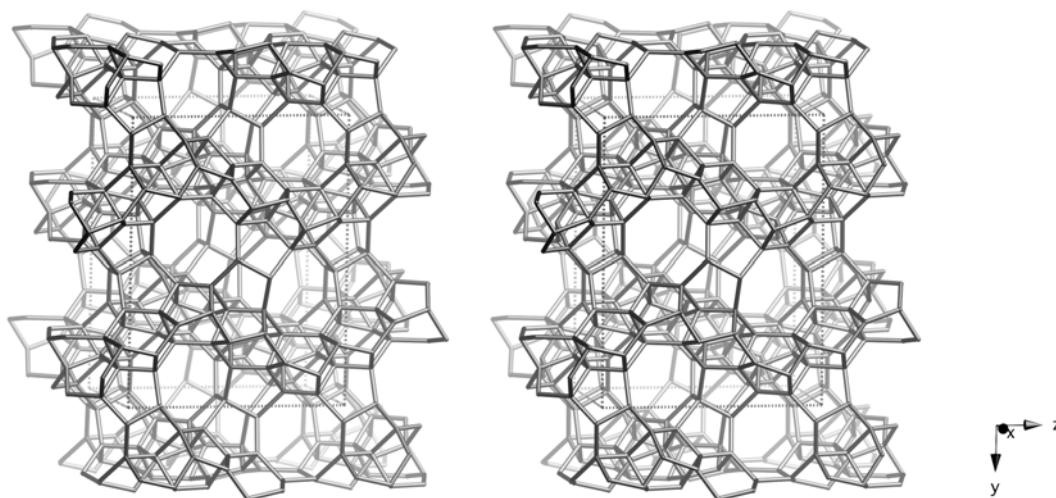


Framework Type Data



framework viewed along [100]

Idealized cell data: orthorhombic, *Cmce*, $a = 13.7\text{\AA}$, $b = 24.1\text{\AA}$, $c = 18.3\text{\AA}$

Coordination sequences and vertex symbols:

T ₁ (16,1)	4	11	24	41	69	95	122	165	221	276	323	374	4-8-5-5-5-5
T ₂ (16,1)	4	12	23	40	67	96	130	161	208	273	329	373	5-5-5-5-5-8
T ₃ (16,1)	4	12	22	40	62	96	127	166	213	258	320	381	5-5-5-5-5-6
T ₄ (16,1)	4	12	24	41	65	94	129	171	216	264	322	382	5-5-5-6 ₂ -5-8
T ₅ (16,1)	4	12	25	40	63	94	134	177	208	258	324	393	5-6-5 ₂ -8-6-6 ₂
T ₆ (8,m..)	4	12	22	37	65	95	129	170	212	259	310	397	5-5-5-5-5-6 ₂
T ₇ (8,m..)	4	12	24	38	62	97	137	168	211	260	312	389	5-5-5-5-12-*
T ₈ (8,m..)	4	12	22	37	65	99	128	164	210	262	319	383	5-5-5-5-5-6 ₂
T ₉ (8,m..)	4	12	24	36	62	95	132	169	204	251	326	399	5-5-5-5-12 ₆ -*

Secondary building units: see *Compendium*

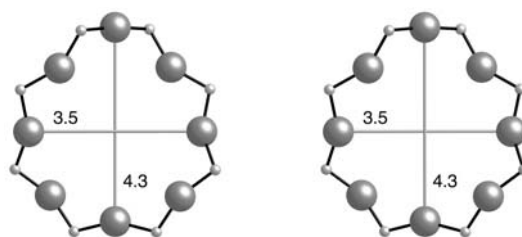
Composite building units:*cas**non**ton*

Materials with this framework type:

*ITQ-32⁽¹⁾

Type Material Data

Crystal chemical data:	[Si ₁₁₂ O ₂₂₄]-IHW orthorhombic, <i>Cmce</i> , $a = 13.6988\text{\AA}$, $b = 24.0665\text{\AA}$, $c = 18.1968\text{\AA}$ ⁽¹⁾
Framework density:	18.7 T/1000Å ³
Channels:	[100] 8 3.5 x 4.3** (There are 12-ring connections between the channels along [100] but there is no continuous 12-ring channel.)



8-ring viewed along [100]

References:

- (1) Cantin, A., Corma, A., Leiva, S., Rey, F., Rius, J. and Valencia, S. *J. Am. Chem. Soc.*, **127**, 11560-11561 (2005)