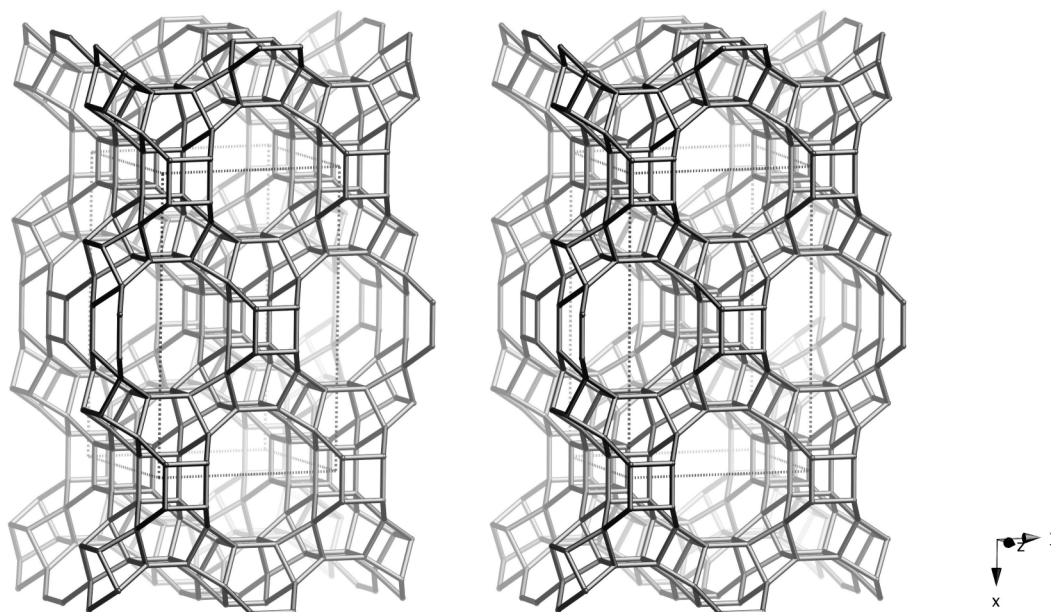


Framework Type Data



framework viewed along [001]

Idealized cell data: orthorhombic, *Cmmm*, $a = 21.2\text{\AA}$, $b = 13.3\text{\AA}$, $c = 12.7\text{\AA}$

Coordination sequences and vertex symbols:

$T_1(16,1)$	4	9	18	32	50	72	98	128	158	192	240	291	$4\cdot6\cdot4\cdot6_2\cdot4\cdot10_4$
$T_2(16,1)$	4	11	18	31	49	72	96	125	159	194	237	285	$4\cdot6_2\cdot5\cdot6\cdot5\cdot10_2$
$T_3(16,1)$	4	10	19	32	49	69	98	132	161	190	233	289	$4\cdot4\cdot5\cdot6_2\cdot5\cdot12_7$
$T_4(8,..m)$	4	11	20	27	43	73	99	117	147	198	246	281	$4\cdot5_2\cdot6\cdot6_2\cdot6\cdot6_2$

Secondary building units: 1-5-1

Composite building units:

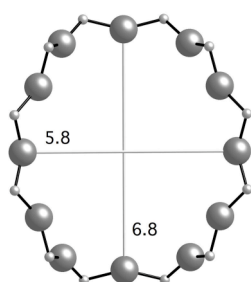


Materials with this framework type:

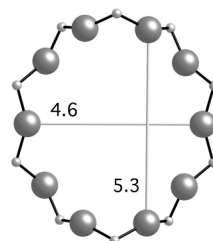
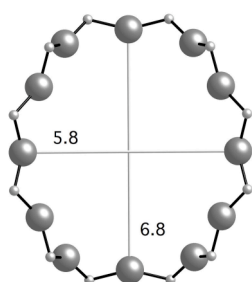
*ITQ-24⁽¹⁾

Type Material Data

Crystal chemical data:	[Al _{2.6} Ge _{5.1} Si _{48.3} O ₂₂₄]-IWR orthorhombic, <i>Cmmm</i> , $a = 21.2549\text{\AA}$, $b = 13.5210\text{\AA}$, $c = 12.6095\text{\AA}$ ⁽¹⁾
Framework density:	15.5 T/1000 \AA^3
Channels:	[001] 12 5.8 x 6.8* \leftrightarrow [110] 10 4.6 x 5.3* \leftrightarrow [010] 10 4.6 x 5.3* (The 10-ring shown below (viewed along [010]) limits the channel dimensions of both 10-ring channels.)



12-ring viewed along [001]



10-ring viewed along [010]

References:

- (1) Castaneda, R., Corma, A., Fornes, V., Rey, F. and Rius, J. *J. Am. Chem. Soc.*, **125**, 7820-7821 (2003)