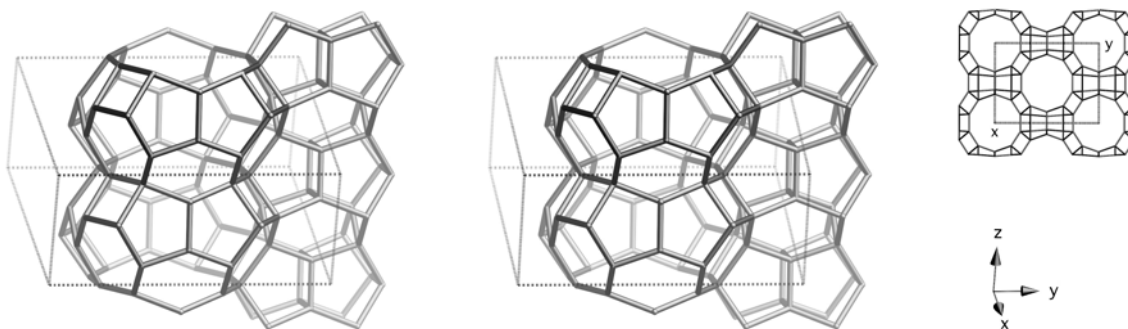


## Framework Type Data



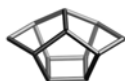
framework viewed normal to [001] (upper right: projection down [001])

**Idealized cell data:** monoclinic,  $C2/m$ ,  $a = 14.1\text{\AA}$ ,  $b = 18.2\text{\AA}$ ,  $c = 7.5\text{\AA}$ ,  $\beta = 99^\circ$

**Coordination sequences and vertex symbols:**

$T_1(8,1)$	4	12	20	34	56	88	114	143	173	224	$5\cdot 5_2\cdot 5\cdot 6\cdot 5\cdot 6$
$T_2(8,1)$	4	11	22	39	55	82	111	149	188	223	$4\cdot 5\cdot 5\cdot 6\cdot 5\cdot 10$
$T_3(8,1)$	4	11	23	36	59	80	113	147	183	227	$4\cdot 5\cdot 5\cdot 6\cdot 5\cdot 10$
$T_4(4,m)$	4	11	19	36	54	84	110	146	179	226	$4\cdot 6\cdot 5\cdot 5\cdot 5\cdot 5$
$T_5(4,m)$	4	11	20	31	58	84	117	137	174	229	$4\cdot 6_2\cdot 5\cdot 5\cdot 5\cdot 5$

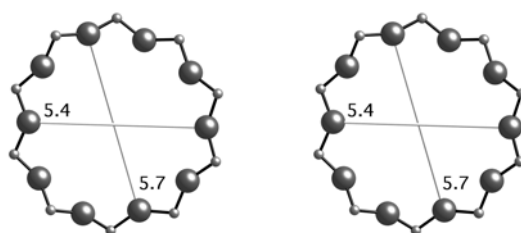
**Secondary building units:** 5-3

**Composite building units:***cas**stf***Materials with this framework type:**\*SSZ-35<sup>(1)</sup>ITQ-9<sup>(2)</sup>Mu-26<sup>(3)</sup>SSZ-35, as synthesized<sup>(4)</sup>STF-SFF structural intermediates<sup>(5)</sup>

## Type Material: SSZ-35

## Type Material Data

<b>Crystal chemical data:</b>	[Si <sub>16</sub> O <sub>32</sub> ]-STF triclinic, $P\bar{1}$ , $a = 11.411\text{\AA}$ , $b = 11.527\text{\AA}$ , $c = 7.377\text{\AA}$ $\alpha = 94.66^\circ$ , $\beta = 96.21^\circ$ , $\gamma = 104.89^\circ$ <sup>(1)</sup> (Relationship to unit cell of Framework Type: $V = V/2$ )
<b>Framework density:</b>	17.3 T/1000 $\text{\AA}^3$
<b>Channels:</b>	[001] <b>10</b> 5.4 x 5.7*



10-ring viewed along [001]

**References:**

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- (2) Villaescusa, L.A., Barrett, P.A. and Cambor, M.A. *Chem. Commun.*, **21**, 2329-2330 (1998)
- (3) Harbuzaru, B., Roux, M., Paillaud, J.L., Porcher, F., Marichal, C., Chezeau, J.M. and Patarin, J. *Chemistry Letters*, 616-617 (2002)
- (4) Fyfe, C.A., Brouwer, D.H., Lewis, A.R., Villaescusa, L.A. and Morris, R.E. *J. Am. Chem. Soc.*, **124**, 7770-7778 (2002)
- (5) Villaescusa, L.A., Zhou, W., Morris, R.E. and Barrett, P.A. *J. Mater. Chem.*, **14**, 1982-1987 (2004)