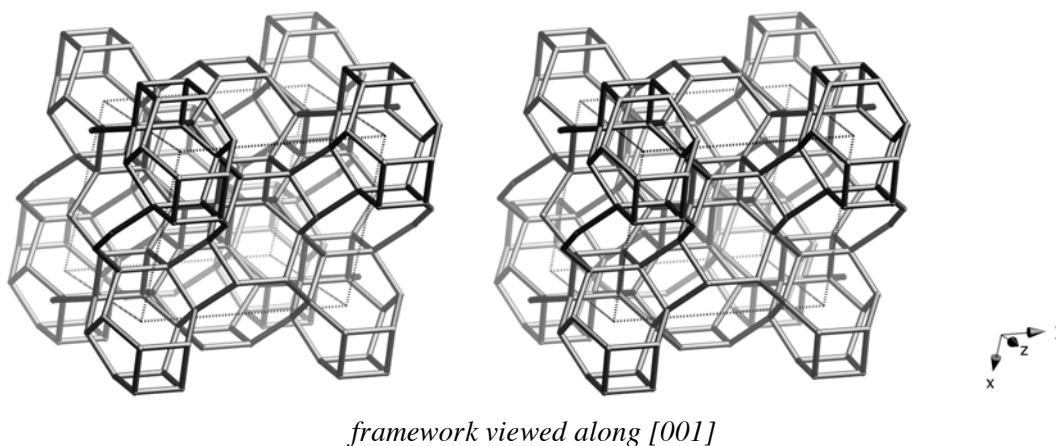


## Framework Type Data



**Idealized cell data:** monoclinic,  $C2/m$ ,  $a = 13.2\text{\AA}$ ,  $b = 13.3\text{\AA}$ ,  $c = 12.5\text{\AA}$ ,  $\beta = 114.8^\circ$

**Coordination sequences and vertex symbols:**

$T_1(8,1)$	4	10	21	37	58	87	116	146	185	232	4-4-5-6-5-8
$T_2(8,1)$	4	10	21	38	60	84	113	148	192	232	4-5-4-6-5-6
$T_3(8,1)$	4	11	23	38	58	86	114	148	189	234	4-5-5-6-6-6
$T_4(8,1)$	4	11	21	37	62	85	114	148	185	232	4-5-5-5-6-8
$T_5(4,2)$	4	12	22	40	58	82	116	154	186	232	5-5-6-6-6-6

**Secondary building units:** 6

**Composite building units:**

*rte*

**Materials with this framework type:**

\*RUB-10<sup>(1)</sup>  
 ITMA-|[Si-O]-RUT<sup>(2)</sup>  
 Al-Nu-1<sup>(3)</sup>  
 B-Nu-1<sup>(3)</sup>

Fe-Nu-1<sup>(3)</sup>  
 Ga-Nu-1<sup>(3)</sup>  
 Nu-1<sup>(4)</sup>

## Type Material Data

<b>Crystal chemical data:</b>	$I (C_4H_{12}N)_4 [B_4Si_{32}O_{72}]$ -RUT C <sub>4</sub> H <sub>12</sub> N = tetramethylammonium monoclinic, $P2_1/a$ $a = 13.112\text{\AA}$ , $b = 12.903\text{\AA}$ , $c = 12.407\text{\AA}$ , $\beta = 113.50^\circ$ <sup>(1)</sup>
<b>Framework density:</b>	18.7 T/1000Å <sup>3</sup>
<b>Channels:</b>	apertures formed by 6-rings only

**References:**

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- (3) Bellussi, G., Millini, R., Carati, A., Maddinelli, G. and Gervasini, A. *Zeolites*, **10**, 642-649 (1990)
- (4) Whittam, T.V. and Youll, B. *U.S. Patent 4,060,590* (1977)