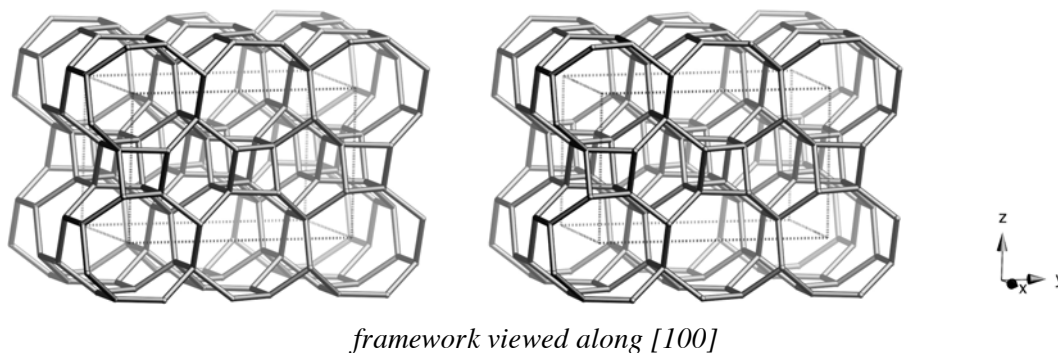


## Framework Type Data

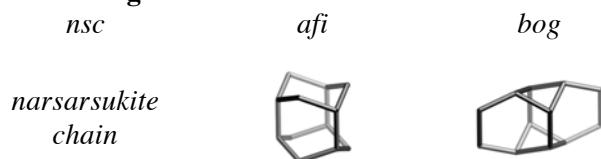


**Idealized cell data:** orthorhombic, *Cmme*,  $a = 8.6\text{\AA}$ ,  $b = 15.3\text{\AA}$ ,  $c = 9.7\text{\AA}$

**Coordination sequences and vertex symbols:**

|             |   |    |    |    |    |    |     |     |     |     |  |
|-------------|---|----|----|----|----|----|-----|-----|-----|-----|--|
| $T_1(16,1)$ | 4 | 11 | 22 | 40 | 64 | 92 | 121 | 157 | 200 | 248 | $4\cdot 6_2\cdot 6\cdot 6_3\cdot 6_2\cdot 6_3$ |
| $T_2(8,m)$  | 4 | 12 | 25 | 42 | 61 | 88 | 122 | 160 | 200 | 246 | $6\cdot 6_2\cdot 6\cdot 6_2\cdot 6_2\cdot 6_2$ |

**Secondary building units:** 6 or 4-[1,1]

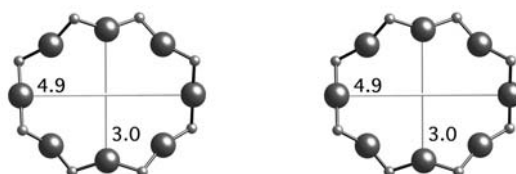
**Composite building units:****Materials with this framework type:**

\*AIPO-25<sup>(1)</sup>

[Ga-P-O]-ATV<sup>(2)</sup>

## Type Material Data

|                               |  |
|-------------------------------|--|
| <b>Crystal chemical data:</b> | [Al <sub>12</sub> P <sub>12</sub> O <sub>48</sub> ]-ATV<br>orthorhombic, <i>Aemm</i> , $a = 9.449\text{\AA}$ , $b = 15.203\text{\AA}$ , $c = 8.408\text{\AA}$ <sup>(1)</sup><br>(Relationship to unit cell of Framework Type: $a' = c$ , $b' = b$ , $c' = a$ ) |
| <b>Framework density:</b>     | 19.9 T/1000Å <sup>3</sup>  |
| <b>Channels:</b>              | [001] 8 3.0 x 4.9*   |



8-ring viewed along [001]

**References:**

- (1) Richardson Jr., J.W., Smith, J.V. and Pluth, J.J. *J. Phys. Chem.*, **94**, 3365-3367 (1990)
- (2) Parise, J.B. *Chem. Commun.*, 606-607 (1985)