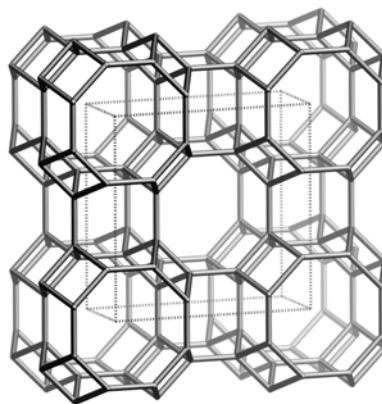
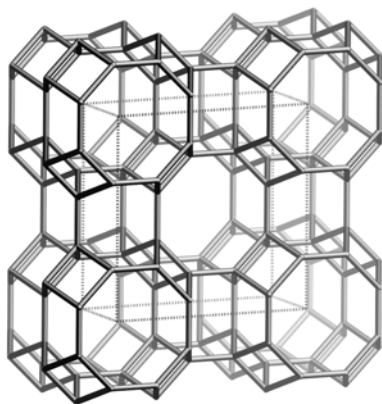


Framework Type Data



framework viewed along [001]

Idealized cell data: tetragonal, $I4/mmm$, $a = 13.1\text{\AA}$, $c = 5.3\text{\AA}$

Coordination sequences and vertex symbols:

$T_1(16,m)$ 4 10 21 36 54 78 106 136 173 214

4-6-4-6-6-8

Secondary building units: 8 or 4

Composite building units:

dzc

atn

*double zigzag
chain*



Materials with this framework type:

*MAPO-39^(1,2)

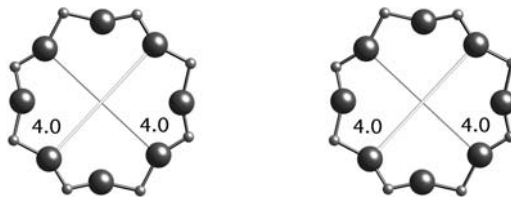
[Mg-Si-Al-P-O]-ATN⁽³⁾

SAPO-39⁽⁴⁾

ZnAPO-39⁽⁵⁾

Type Material Data

Crystal chemical data:	$ H_n [Mg_n Al_{8-n} P_8 O_{32}]$ -ATN tetragonal, $I4/m$, $a = 13.209 \text{ \AA}$, $c = 5.277 \text{ \AA}$ ⁽²⁾
Framework density:	17.4 T/1000 \AA^3
Channels:	[001] 8 4.0 x 4.0*



8-ring viewed along [001]

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