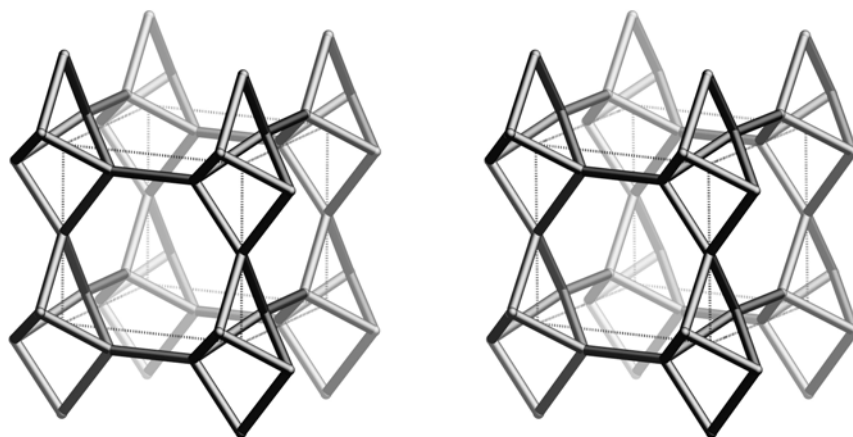


Framework Type Data



framework viewed normal to [001]

Idealized cell data: tetragonal, $P\bar{4}m2$, $a = 6.9\text{\AA}$, $c = 6.4\text{\AA}$

Coordination sequences and vertex symbols:

$T_1(4,m)$	4	9	19	35	52	72	100	131	163	201	$4\cdot 8_3\cdot 4\cdot 8_3\cdot 4_2\cdot 8_4$
$T_2(1, \bar{4}m2)$	4	8	18	32	52	74	100	128	162	204	$4_2\cdot 4_2\cdot 8_4\cdot 8_4\cdot 8_4\cdot 8_4$

Secondary building units: 4=1

Composite building units:

nat



Materials with this framework type:

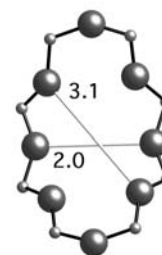
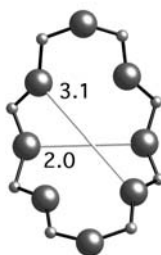
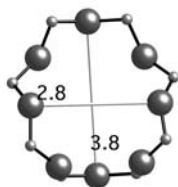
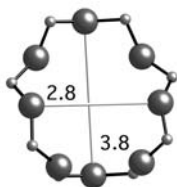
*Edingtonite⁽¹⁻³⁾
 [Co-Al-P-O]-EDI⁽⁴⁾
 [Co-Ga-P-O]-EDI⁽⁴⁾
 [Zn-As-O]-EDI⁽⁵⁾
 I(C₃H₁₂N₂)_{2.5}II[Zn₅P₅O₂₀]-EDI⁽⁶⁾
 ILi-I[Al-Si-O]-EDI⁽⁷⁾
 IRb₇ Na (H₂O)₃II[Ga₈Si₁₂O₄₀]-EDI⁽⁸⁾

K-F^(9,10)
 Linde F⁽¹¹⁾
 Orthorhombic edingtonite⁽¹²⁾
 Synthetic edingtonite⁽¹³⁾
 Tetragonal edingtonite⁽¹⁴⁾
 Zeolite N⁽¹⁵⁾

Type Material: Edingtonite

Type Material Data

Crystal chemical data:	$\text{[Ba}_2(\text{H}_2\text{O})_8\text{][Al}_4\text{Si}_6\text{O}_{20}\text{]-EDI}$ orthorhombic, $P2_12_12$, $a = 9.550\text{\AA}$, $b = 9.665\text{\AA}$, $c = 6.523\text{\AA}$ ⁽²⁾ (Relationship to unit cell of Framework Type: $a' = a\sqrt{2}$, $b' = b\sqrt{2}$, $c' = c$ or, as vectors, $\mathbf{a}' = \mathbf{a} + \mathbf{b}$, $\mathbf{b}' = \mathbf{b} - \mathbf{a}$, $\mathbf{c}' = \mathbf{c}$)
Framework density:	16.6 T/1000 \AA^3
Channels:	$\langle 110 \rangle$ 8 2.8 x 3.8** \leftrightarrow $[001]$ 8 2.0 x 3.1* (variable due to considerable flexibility of framework)



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