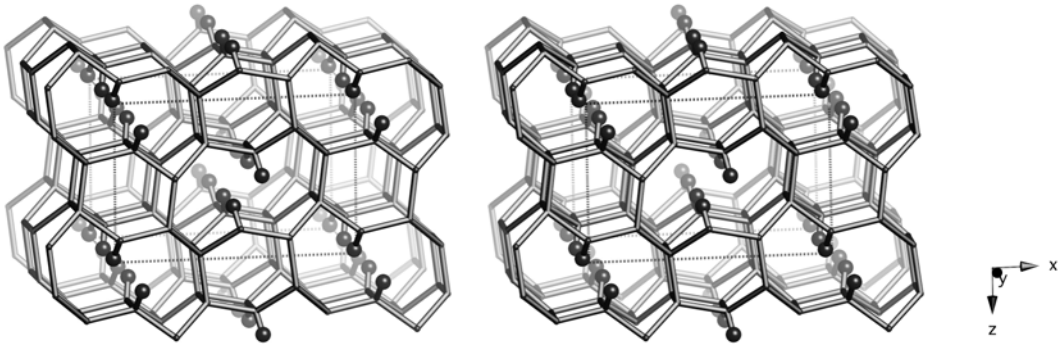
-LIT

Pnma

Framework Type Data



framework viewed along [010]

Idealized cell data: orthorhombic, *Pnma*, a = 14.8Å, b = 8.6Å, c = 9.8Å

Coordination sequences and vertex symbols:

T_1 (8,1)	3	7	16	31	50	68	93	128	161	196	237	283	4·6·6
T_2 (8,1)	4	9	19	34	50	72	100	128	160	197	239	287	$4{\cdot}8{\cdot}4{\cdot}8_2{\cdot}6{\cdot}6$
T_3 (8,1)	4	10	19	31	51	76	98	124	161	201	239	284	$4{\cdot}6{\cdot}6{\cdot}8_3{\cdot}8{\cdot}8$

Secondary building units: 6 or 4-[1,1] or 4-2

Materials with this framework type:

*Lithosite[1]

Type Material: Lithosite -LIT

Type Material Data

Crystal chemical data: $|K_{12}|\ [Al_8Si_{16}O_{48}(OH)_4]$-**LIT**
monoclinic, $P2_1$
a = 15.197Å, b = 10.233Å, c = 8.435Å, β = 90.31° (1)
(Relationship to unit cell of Framework Type: $a' = a$, $b' = c$, $c' = b$)

Framework density: 18.3 T/1000Å^3

Channels:

References:
(1) Pudovkina, Z.V., Solov'eva, L.P. and Pyatenko, Yu.A. *Sov. Phys. Dokl.*, **31**, 941-942 (1986)