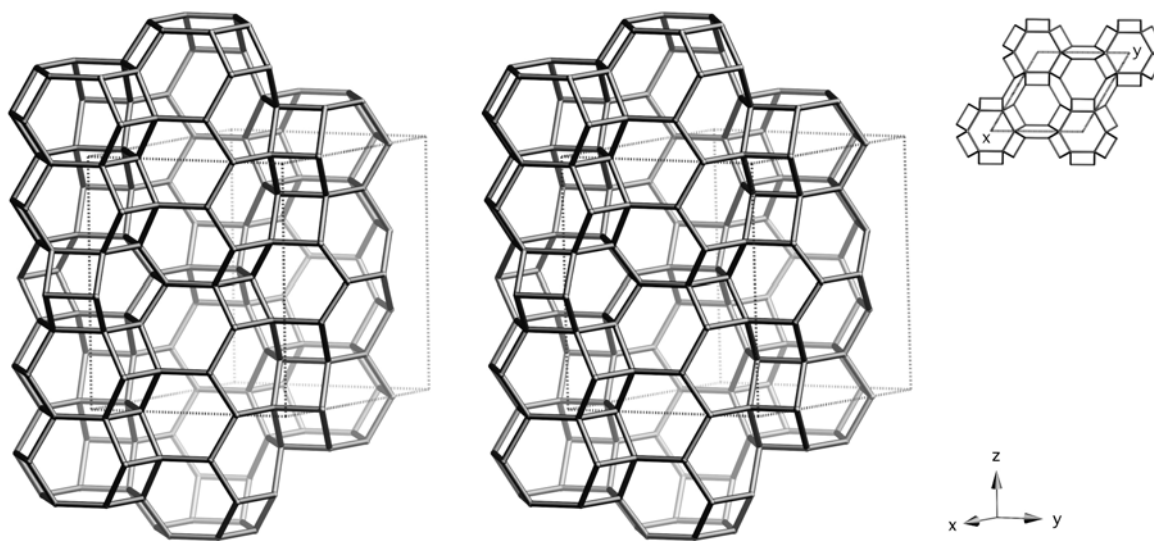


Framework Type Data



framework viewed normal to $[001]$ (upper right: projection down $[001]$)

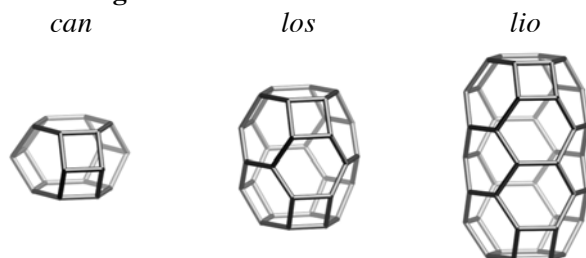
Idealized cell data: hexagonal, $P\bar{6}m2$, $a = 12.3\text{\AA}$, $c = 15.6\text{\AA}$

Coordination sequences and vertex symbols:

$T_1(12,1)$	4	10	20	34	53	76	103	135	170	209	4-6-4-6-6-6
$T_2(12,1)$	4	10	20	34	54	78	104	134	168	210	4-4-6-6-6-6
$T_3(6,m)$	4	10	20	34	52	74	102	136	172	208	4-6-4-6-6-6
$T_4(6,m)$	4	10	20	34	54	78	104	134	168	210	4-6-4-6-6-6

Secondary building units: 6 or 4

Framework description: ABABAC sequence of 6-rings

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

*Liottite^(1,2)

Type Material: Liottite

Type Material Data

Crystal chemical data:	$\text{[Ca}_8(\text{K,Na})_{16}(\text{SO}_4)_5\text{Cl}_4\text{] [Al}_{18}\text{Si}_{18}\text{O}_{72}\text{]-LIO}$ hexagonal, $P\bar{6}$, $a = 12.870\text{\AA}$, $c = 16.096\text{\AA}$ ⁽²⁾
Framework density:	15.6 T/1000 \AA^3
Channels:	apertures formed by 6-rings only

References:

- (1) Merlino, S. and Orlandi, P. *Am. Mineral.*, **62**, 321-326 (1977)
- (2) Ballirano, P., Merlino, S. and Bonaccorsi, E. *Can. Mineral.*, **34**, 1021-1030 (1996)