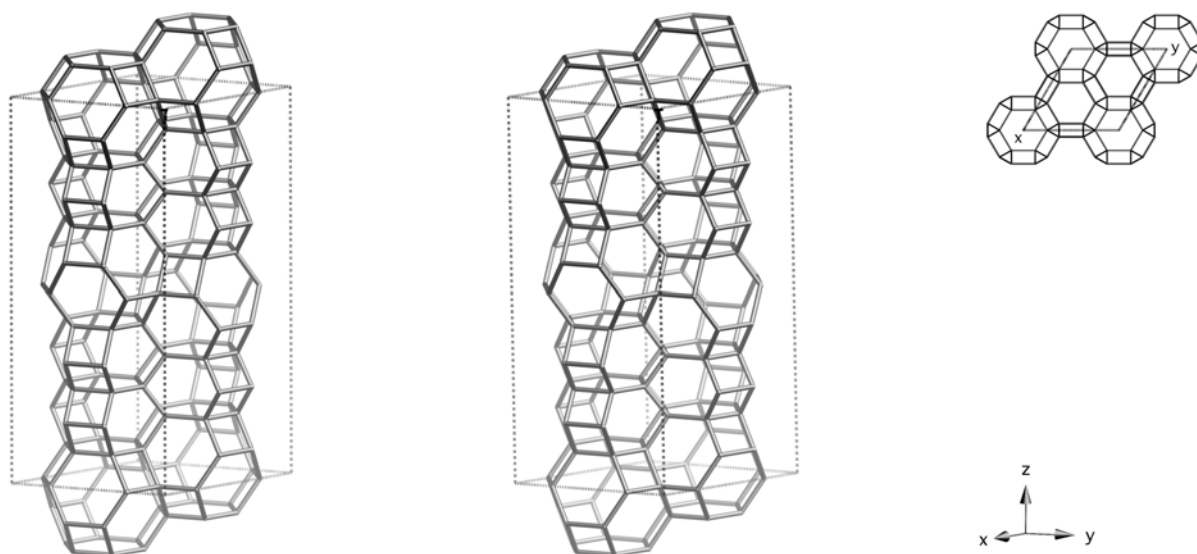


Framework Type Data



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

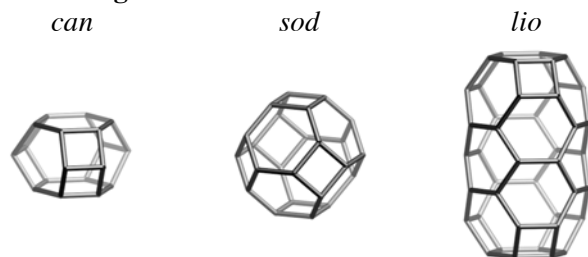
Idealized cell data: hexagonal, $P6_3/mmc$, $a = 12.4\text{\AA}$, $c = 30.7\text{\AA}$

Coordination sequences and vertex symbols:

$T_1(24,1)$	4	10	20	34	53	76	102	132	167	209	255	301	4-4-6-6-6-6
$T_2(24,1)$	4	10	20	34	53	76	102	132	166	205	249	297	4-6-4-6-6-6
$T_3(12,m..)$	4	10	20	34	54	78	104	134	168	208	252	298	4-6-4-6-6-6
$T_4(12,..2.)$	4	10	20	34	52	74	102	136	172	208	248	298	4-4-6-6-6-6

Secondary building units: 8 or 4

Framework description: ABCBCBACBCBC sequence of 6-rings

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

*Marinellite⁽¹⁾

Type Material: Marinellite**MAR****Type Material Data**

Crystal chemical data:	$\text{INa}_{31}\text{K}_{11}\text{Ca}_6(\text{H}_2\text{O})_{3.4}(\text{SO}_4)_8\text{Cl}_2[\text{Al}_{36}\text{Si}_{36}\text{O}_{144}]\text{-MAR}$ trigonal, $P31c$, $a = 12.880\text{\AA}$, $c = 31.761\text{\AA}$ ⁽¹⁾
Framework density:	15.8 T/1000 \AA^3
Channels:	apertures formed by 6-rings only

References:

- (1) Bonaccorsi, E. and Orlandi, P. *Eur. J. Mineral.*, **15**, 1019-1027 (2003)