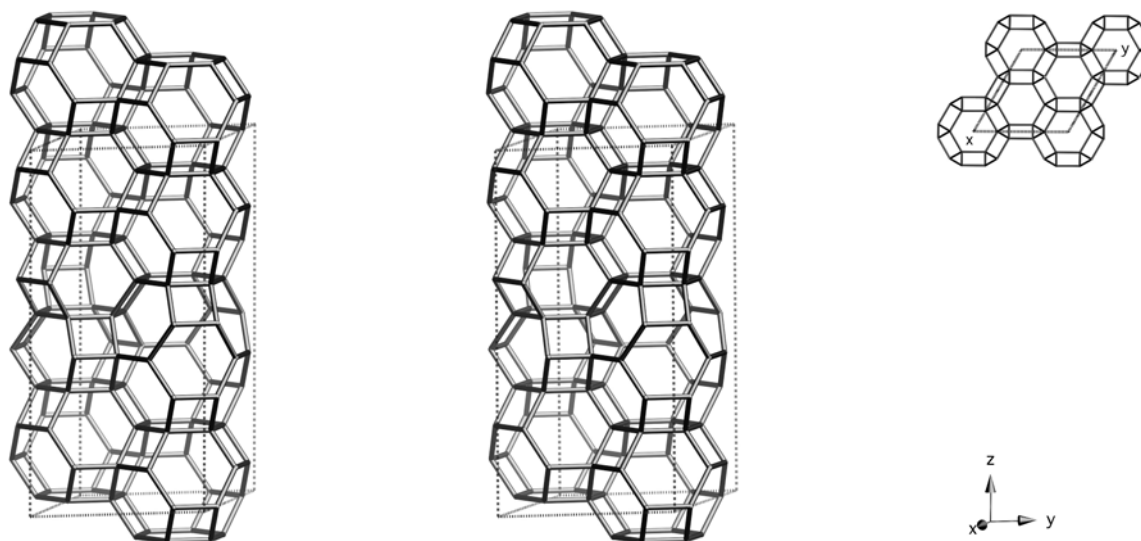


Framework Type Data



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

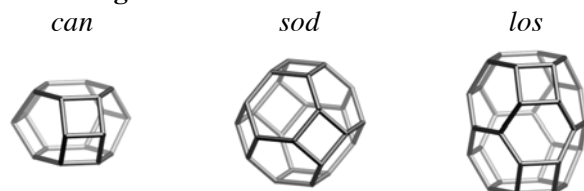
Idealized cell data: trigonal, $P\bar{3}m1$, $a = 12.7\text{\AA}$, $c = 25.3\text{\AA}$

Coordination sequences and vertex symbols:

$T_1(12,1)$	4	10	20	34	52	74	100	130	165	205	4-4-6-6-6-6
$T_2(12,1)$	4	10	20	34	52	74	101	133	168	206	4-4-6-6-6-6
$T_3(12,1)$	4	10	20	34	52	74	101	133	168	206	4-6-4-6-6-6
$T_4(12,1)$	4	10	20	34	53	76	102	132	166	206	4-4-6-6-6-6
$T_5(6,2)$	4	10	20	34	52	74	100	130	164	202	4-4-6-6-6-6
$T_6(6,2)$	4	10	20	34	54	78	104	134	168	208	4-4-6-6-6-6

Secondary building units: 6 or 4

Framework description: ABCABACABC sequence of 6-rings

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

*Franzinite^(1,2)

Type Material: Franzinite**FRA****Type Material Data**

Crystal chemical data:	$\text{I}(\text{Na,K})_{30} \text{Ca}_{10} (\text{H}_2\text{O})_2 (\text{SO}_4)_{10} \text{I} [\text{Al}_{30}\text{Si}_{30}\text{O}_{120}]$ -FRA trigonal, $P321$, $a = 12.916\text{\AA}$, $c = 26.543\text{\AA}$ ⁽¹⁾
Framework density:	15.6 T/1000 \AA^3
Channels:	apertures formed by 6-rings only

References:

- (1) Ballirano, P., Bonaccorsi, E., Maras, A. and Merlino, S. *Can. Mineral.*, **38**, 657-668 (2000)
- (2) Ballirano, P. and Maras, A. *Powder Diffraction*, **16**, 216-219 (2001)