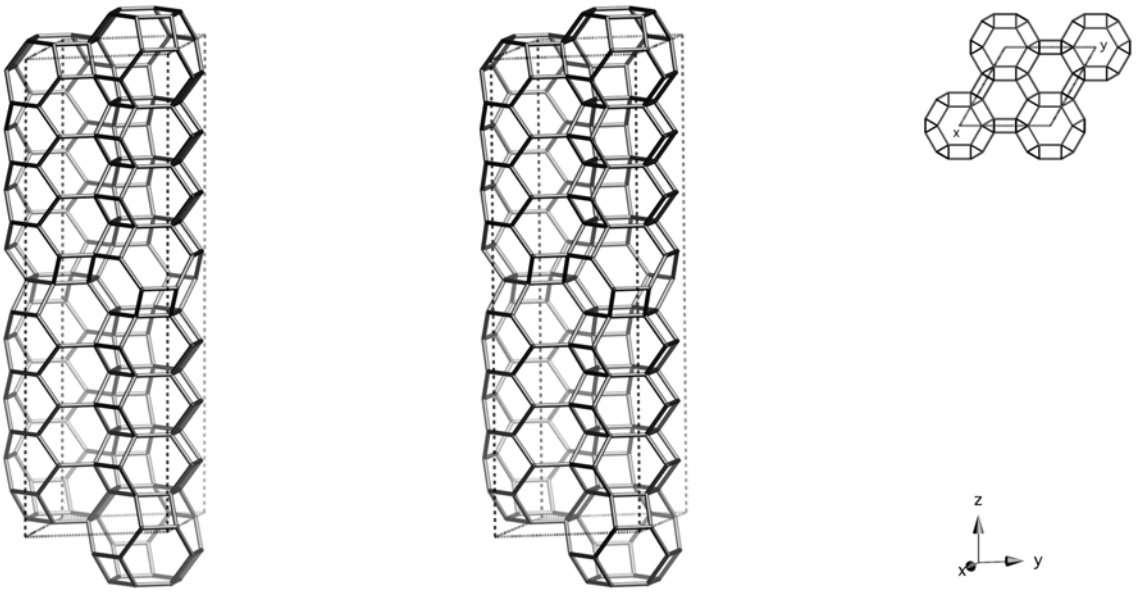
GIU

$P6_3/mmc$

Framework Type Data



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

Idealized cell data: hexagonal, $P6_3/mmc$, a = 12.6Å, c = 41.0Å

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	206	251	299	4·6·4·6·6·6
T_3 (24,1)	4	10	20	34	54	78	104	134	168	209	254	300	4·6·4·6·6·6
T_4 (12,*m*..)	4	10	20	34	54	78	104	134	168	208	252	298	4·6·4·6·6·6
T_5 (12,.2.)	4	10	20	34	52	74	102	136	172	208	248	298	4·4·6·6·6·6

Secondary building units: 6 or 4

Framework description: ABABABACBABABABC sequence of 6-rings

Composite building units:

can *sod*

Materials with this framework type:

*Giuseppettite[1]

Type Material: Giuseppettite GIU

Type Material Data

Crystal chemical data: $|Na_{42}K_{16}Ca_6\ (SO_4)_{10}Cl_2)\ (H_2O)_5|\ [Si_{48}Al_{48}O_{192}]$-**GIU**
trigonal, *P*31*c*, *a* = 12.856Å, *c* = 42.256Å [(1)]

Framework density: 15.9 T/1000Å^3

Channels: apertures formed by 6-rings only

References:
(1) Bonaccorsi, E. *Microporous Mesoporous Mat.*, **73**, 129-136 (2004)