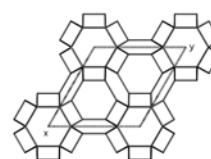
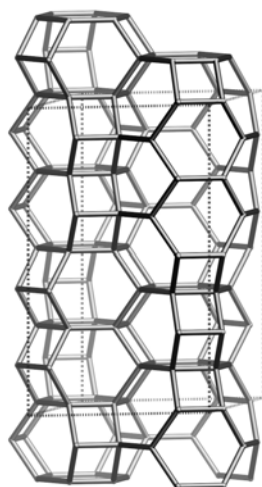
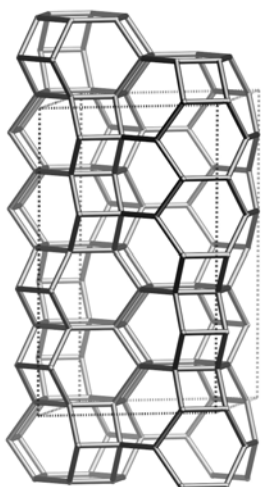


Framework Type Data



framework viewed normal to [001]

Idealized cell data: hexagonal, $P6_3/mmc$, $a = 12.5\text{\AA}$, $c = 20.8\text{\AA}$

Coordination sequences and vertex symbols:

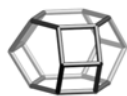
$T_1(24,1)$	4	10	20	34	53	76	103	135	170	208	4-6-4-6-6-6
$T_2(12,m)$	4	10	20	34	54	78	104	134	168	210	4-6-4-6-6-6
$T_3(12,2)$	4	10	20	34	54	78	104	134	168	210	4-4-6-6-6-6

Secondary building units: 6 or 4

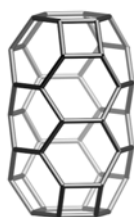
Framework description: ABABACAC sequence of 6-rings

Composite building units:

can



lio

**Materials with this framework type:**

*Afghanite⁽¹⁻⁴⁾

Type Material Data

Crystal chemical data:	$\text{[Ca}_{0.8}\text{Na}_{2.2}(\text{H}_2\text{O})_4\text{Cl}_2(\text{SO}_4)_{5.3}\text{CO}_3\text{]}[\text{Al}_{24}\text{Si}_{24}\text{O}_{96}]\text{-AFG}$ hexagonal, $P6_3mc$, $a = 12.761\text{\AA}$, $c = 21.416\text{\AA}$ ⁽³⁾
Framework density:	15.9 T/1000 \AA^3
Channels:	apertures formed by 6-rings only

References:

- (1) Bariand, P., Cesbron, F. and Giraud, R. *Bull. Soc. fr. Minéral. Cristallogr.*, **91**, 34-42 (1968)
- (2) Merlino, S. and Mellini, M. *Zeolite 1976, Program and Abstracts, Tucson* (1976)
- (3) Pobedinskaya, E.A., Rastsvetaeva, R.K., Terent'eva, L.E. and Sapozhnikov, A.N. *Dokl. Akad. Nauk SSSR*, **320**, 882-886 (1991)
- (4) Ballirano, P., Bonaccorsi, E., Maras, A. and Merlino, S., *Eur. J. Mineral.*, **9**, 21-30 (1997)