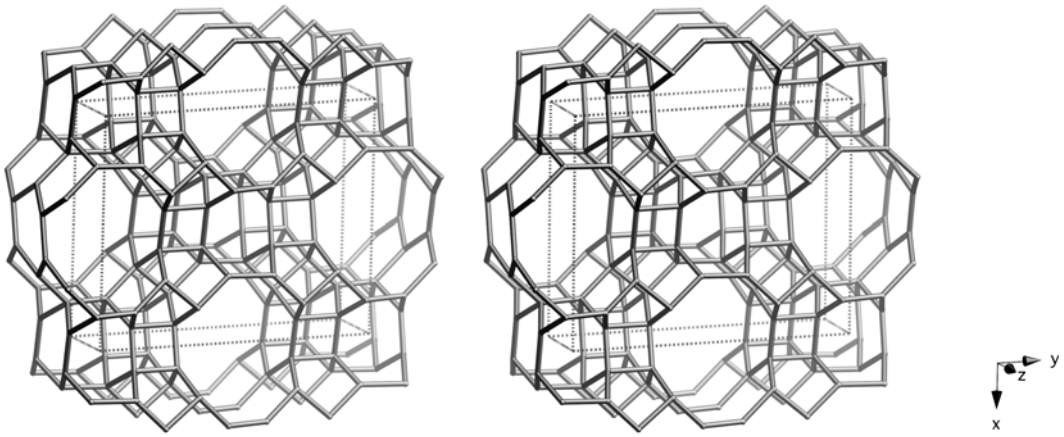
GON

Cmmm

Framework Type Data



framework viewed along [001]

Idealized cell data: orthorhombic, *Cmmm*, *a* = 16.9Å, *b* = 20.4Å, *c* = 5.3Å

Coordination sequences and vertex symbols:

T_1 (8,*m*)	4	12	21	39	63	85	117	154	192	242	$5{\cdot}6{\cdot}5{\cdot}6{\cdot}5_2{\cdot}6$
T_2 (8,*m*)	4	12	25	38	57	86	119	158	194	233	$5{\cdot}6{\cdot}5{\cdot}6{\cdot}6{\cdot}12_6$
T_3 (8,*m*)	4	11	22	38	58	86	121	156	191	229	$4{\cdot}6_2{\cdot}5{\cdot}6{\cdot}5{\cdot}6$
T_4 (8,*m*)	4	11	22	38	63	91	115	147	195	244	$4{\cdot}6_2{\cdot}5{\cdot}6{\cdot}5{\cdot}6$

Secondary building units: 5-3

Composite building units:

mtw *cas*

Materials with this framework type:

*GUS-1[(1)]

Type Material: GUS-1

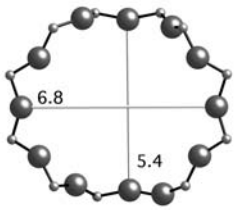
GON

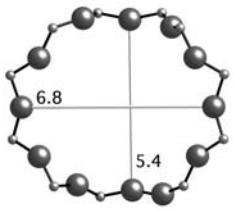
Type Material Data

Crystal chemical data: **[$Si_{32}O_{64}$]-GON**
orthorhombic, *C*222, *a* = 16.421Å, *b* = 20.054Å, *c* = 5.046Å [(1)]

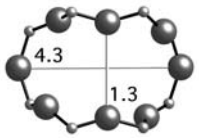
Framework density: 19.3 T/1000Å^3

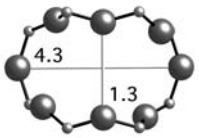
Channels: [001] **12** 5.4 x 6.8*





12-ring viewed along [001]





8-ring viewed along [001]

References:
(1) Plévert, J., Kubota, Y., Honda, T., Okubo, T. and Sugi, Y. *Chem. Commun.*, 2363-2364 (2000)