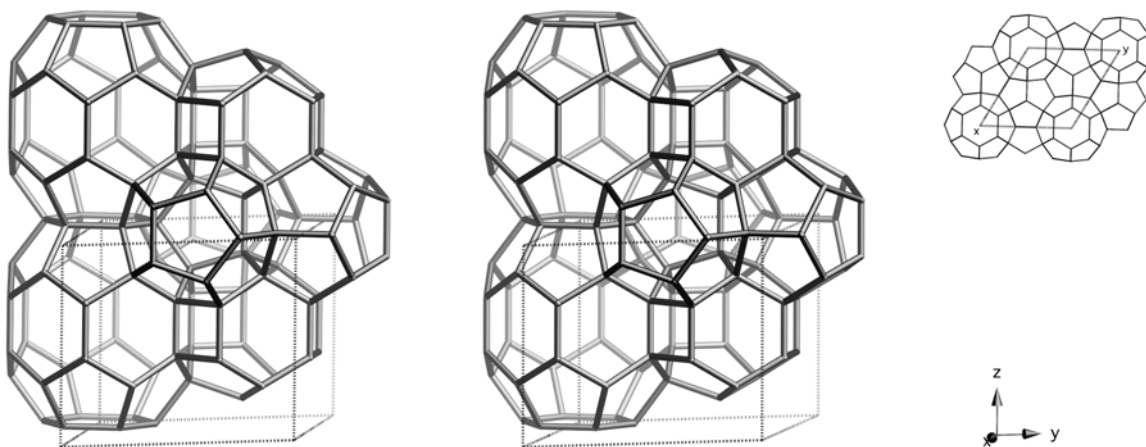


Framework Type Data



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

Idealized cell data: hexagonal, $P6/mmm$, $a = 14.2\text{\AA}$, $c = 11.5\text{\AA}$

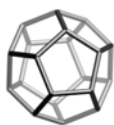
Coordination sequences and vertex symbols:

$T_1 (12,m)$	4	12	23	41	64	92	128	167	207	259	5-5-5-5-5-6
$T_2 (12,m)$	4	11	24	41	63	91	128	171	214	259	4-5-5-6-5-6
$T_3 (6,mm2)$	4	12	25	42	68	90	122	167	210	268	5-5-5-5-5-6
$T_4 (4,3m)$	4	12	24	36	61	101	133	156	204	256	5-5-5-5-5-5

Secondary building units: see *Compendium*

Composite building units:

mtn

**Materials with this framework type:**

*Dodecasil 1H⁽¹⁾

[B-Si-O]-DOH⁽²⁾

Type Material: Dodecasil 1H**DOH****Type Material Data**

Crystal chemical data:	$\text{IC}_5\text{H}_{11}\text{N}(\text{N}_2)_5\text{I}[\text{Si}_{34}\text{O}_{68}]\text{-DOH}$ $\text{C}_5\text{H}_{11}\text{N}$ = piperidine hexagonal, $P6/mmm$, $a = 13.783\text{\AA}$, $c = 11.190\text{\AA}$ ⁽¹⁾
Framework density:	18.5 T/1000 \AA^3
Channels:	apertures formed by 6-rings only

References:

- (1) Gerke, H. and Gies, H. Z. *Kristallogr.*, **166**, 11-22 (1984)
- (2) Grünewald-Luke, A., Marler, B., Hochgrafe, M. and Gies, H. *J. Mater. Chem.*, **9**, 2529-2536 (1999)