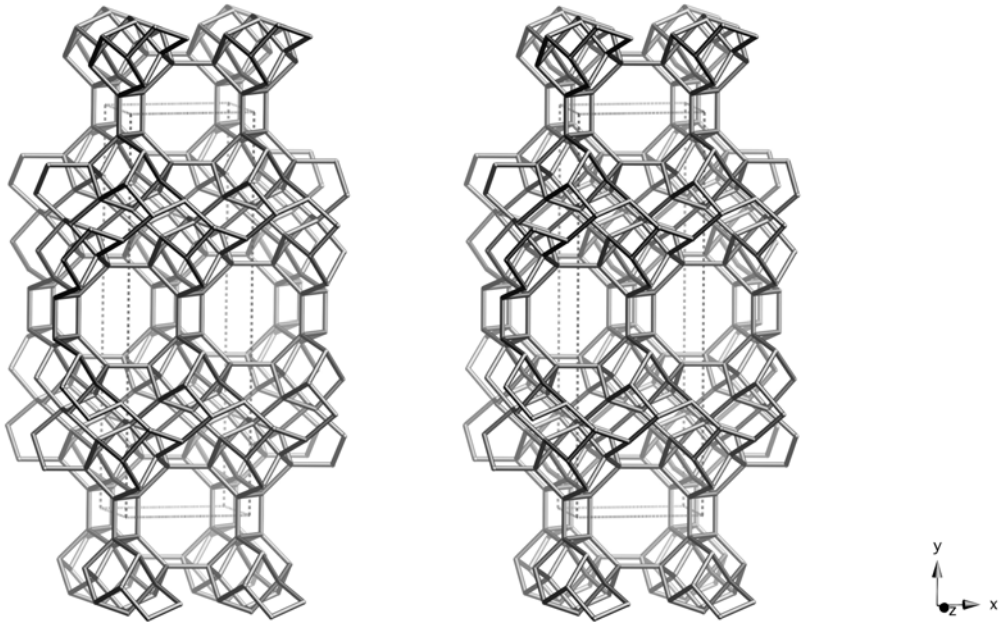
MTF

C*2/*m

Framework Type Data



framework viewed along [001]

Idealized cell data: monoclinic, *C*2/*m*, *a* = 9.6Å, *b* = 30.4Å, *c* = 7.2Å, β = 90.5°

Coordination sequences and vertex symbols:

T_1 (8,1)	4	11	24	45	77	109	137	174	224	280	4·5·5·6·5·8
T_2 (8,1)	4	12	24	42	70	95	136	184	227	277	$5{\cdot}5_2{\cdot}5{\cdot}6{\cdot}5{\cdot}8$
T_3 (8,1)	4	12	27	47	69	99	142	184	227	281	5·6·5·7·5·8
T_4 (8,1)	4	12	26	45	64	96	134	186	230	290	5·6·5·6·5·6
T_5 (8,1)	4	12	24	42	64	93	133	179	234	290	$5{\cdot}6{\cdot}5{\cdot}6_2{\cdot}5{\cdot}7$
T_6 (4,2)	4	12	21	44	74	106	138	172	226	284	$5{\cdot}5{\cdot}5{\cdot}5{\cdot}5_2{\cdot}6$

Secondary building units: see *Compendium*

Composite building units:

mfi

Materials with this framework type:

*MCM-35[1]

UTM-1[2]

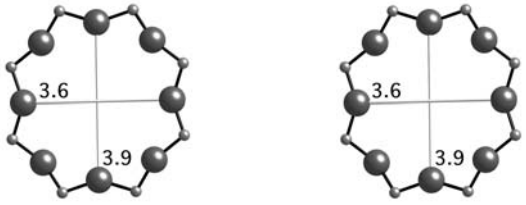
Type Material: MCM-35 — MTF

Type Material Data

Crystal chemical data: **[$Si_{44}O_{88}$]-MTF**
monoclinic, *C*2/*m*
a = 9.500 Å, *b* = 30.710Å, *c* = 7.313Å, β = 91.71° (1)

Framework density: 20.6 T/1000Å^3

Channels: [001] **8** 3.6 x 3.9*



8-ring viewed along [001]

References:

(1) Barrett, P.A., Diaz-Cabanas, M.-J. and Camblor, M.A. *Chem. Mater.*, **11**, 2919-2927 (1999)
(2) Plévert, J., Yamamoto, K. Chiari, G. and Tatsumi, T. *J. Phys. Chem. B*, **103**, 8647-8649 (1999)