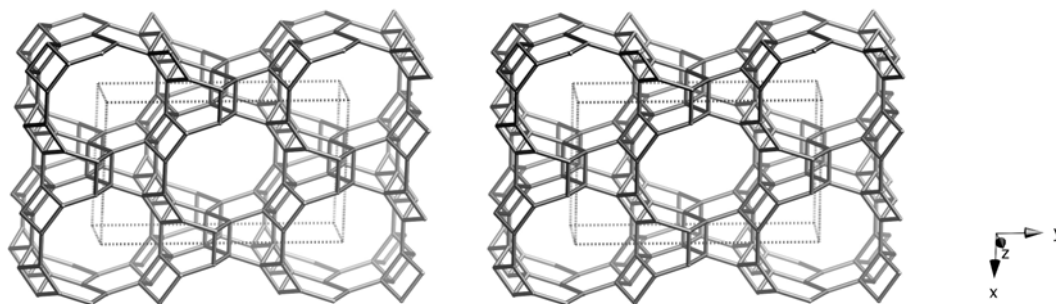


Framework Type Data



framework viewed along [001]

Idealized cell data: orthorhombic, *Cmcm*, $a = 13.2\text{\AA}$, $b = 21.6\text{\AA}$, $c = 5.3\text{\AA}$

Coordination sequences and vertex symbols:

$T_1(8,m)$	4	10	19	30	46	67	93	124	154	189	$4\cdot6\cdot4\cdot6\cdot6\cdot6_2$
$T_2(8,m)$	4	10	20	32	49	73	97	124	157	193	$4\cdot6_2\cdot4\cdot6_2\cdot6\cdot12_2$
$T_3(8,m)$	4	10	19	32	51	72	96	124	155	196	$4\cdot6_2\cdot4\cdot6_2\cdot6\cdot12_2$

Secondary building units: 12 or 6 or 4

Composite building units:

dzc

ats

*double zigzag
chain*

**Materials with this framework type:**

*MAPO-36⁽¹⁾

AlPO-36⁽²⁾

FAPO-36⁽³⁾

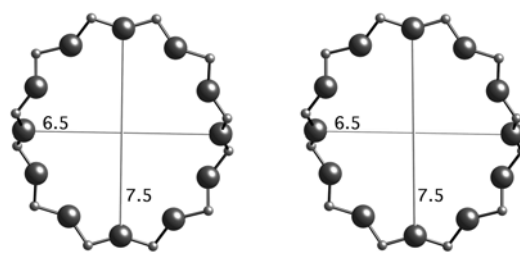
SSZ-55⁽⁴⁾

ZnAPO-36⁽⁵⁾

Type Material: MAPO-36

Type Material Data

Crystal chemical data:	IHI [MgAl ₁₁ P ₁₂ O ₄₈]-ATS monoclinic, <i>C2/c</i> $a = 13.148\text{\AA}$, $b = 21.577\text{\AA}$, $c = 5.164\text{\AA}$, $\beta = 91.84^\circ$ ⁽¹⁾
Framework density:	16.4 T/1000Å ³
Channels:	[001] 12 6.5 x 7.5*



12-ring viewed along [001]

References:

- (1) Smith, J.V., Pluth, J.J. and Andries, K.J. *Zeolites*, **13**, 166-169 (1993)
- (2) Zahedi-Niaki, M.H., Xu, G.Y., Meyer, H., Fyfe, C.A. and Kaliaguine, S. *Microporous Mesoporous Mat.*, **32**, 241-250 (1999)
- (3) Ristic, A., Tusar, N.N., Arcon, I., Logar, N.Z., Thibault-Starzyk, F., Czyzniewska, J. and Kaucic, V. *Chem. Mater.*, **15**, 3643-3649 (2003)
- (4) Wu, M.G., Deem, M.W., Elomari, S.A., Medrud, R.C., Zones, S.I., Maesen, T., Kibby, C., Chen, C.-Y. and Chen, I.Y. *J. Phys. Chem. B*, **106**, 264-270 (2002)
- (5) Christensen, A.N., Norby, P. and Hanson, J.C. *Microporous Mesoporous Mat.*, **20**, 349-354 (1998)