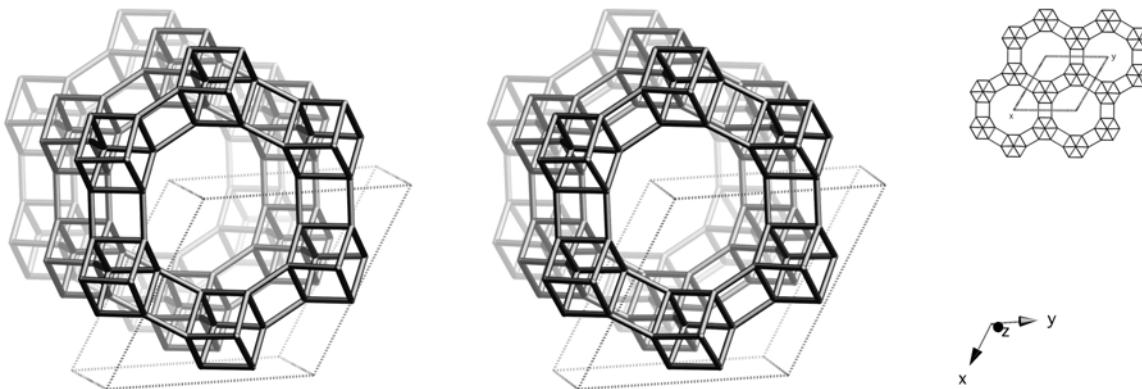


Framework Type Data



framework viewed along $[001]$ (upper right: projection down $[001]$)

Idealized cell data: trigonal, $P\bar{3}1m$, $a = 12.3\text{\AA}$, $c = 8.6\text{\AA}$

Coordination sequences and vertex symbols:

$T_1 (12,1)$	4	8	14	25	39	53	71	96	124	152	4-4-4-8-4-12
$T_2 (4,3)$	4	9	16	23	34	57	82	98	115	141	4-8-4-8-4-8

Secondary building units: 4-4 or 4

Composite building units:

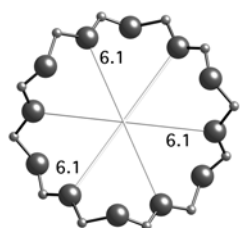
$d4r$

**Materials with this framework type:**

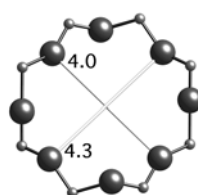
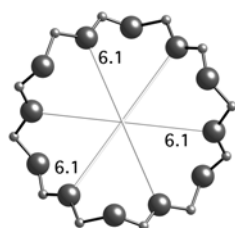
- *CoAPO-50^(1,2)
- MgAPO-50⁽³⁾
- MnAPO-50⁽⁴⁾
- ZnAPO-50⁽⁵⁾

Type Material Data

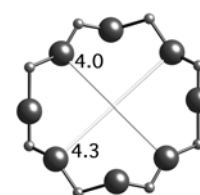
Crystal chemical data:	$[(C_6H_{16}N)_3 (H_2O)_7] [Co_3Al_5P_8O_{32}]$ -AFY $C_6H_{16}N$ = dipropylammonium trigonal, $P\bar{3}$, $a = 12.747\text{\AA}$, $c = 9.015\text{\AA}$ ⁽²⁾
Stability:	Unstable to removal of template ⁽¹⁾
Framework density:	12.6 T/1000 \AA^3
Channels:	[001] 12 6.1 x 6.1* \leftrightarrow \perp [001] 8 4.0 x 4.3**



12-ring viewed along [001]



8-ring viewed normal to [001]



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- (1) Wilson, S.T. private communication
- (2) Bennett, J.M. and Marcus, B.K. Stud. Surf. Sci. Catal., **37**, 269-279 (1988)
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- (4) Tusar, N.N., Ristic, A., Meden, A. and Kaucic, V. Microporous Mesoporous Mat., **37**, 303-311 (2000)
- (5) Arcon, I., Tusar, N.N., Ristic, A., Kaucic, V., Kodre, A. and Helliwell, M. J. Synch. Rad., **8**, 590-592 (2001)