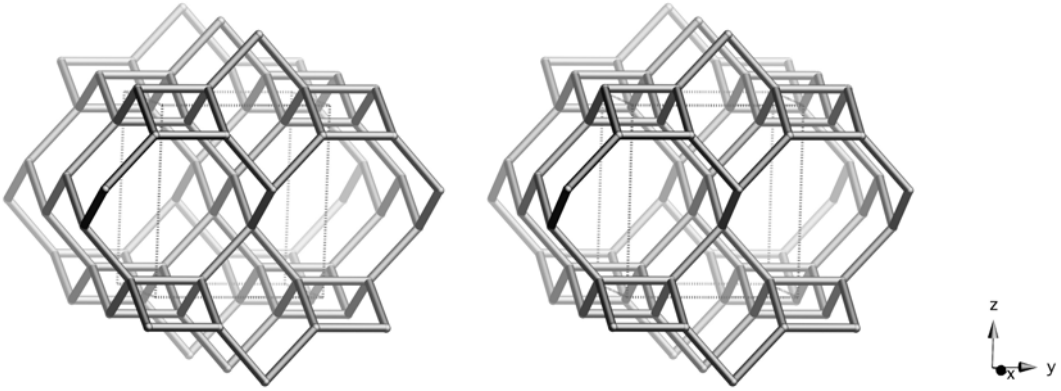
JBW

Pmma

Framework Type Data



framework viewed along [100]

Idealized cell data: orthorhombic, *Pmma*, $a = 5.3$Å, $b = 7.5$Å, $c = 8.2$Å

Coordination sequences and vertex symbols:

T_1 (4,*m*)	4	10	21	39	61	81	107	148	192	228	$4{\cdot}6_2{\cdot}4{\cdot}6_2{\cdot}6{\cdot}8_2$
T_2 (2,*mm*2)	4	12	24	36	56	86	118	146	176	228	$6{\cdot}6{\cdot}6{\cdot}6{\cdot}6_2{\cdot}6_2$

Secondary building units: 6

Composite building units:

dzc	*jbw*	*abw*
double zigzag chain		

Materials with this framework type:

*Na-J (Barrer and White)[1]
|Na_2 Rb H_2O|[$Al_3Ge_3O_{12}$]-**JBW**[2]
|Na_3 $(H_2O)_2$|[$Al_3Ge_3O_{12}$]-**JBW**[3]
Nepheline hydrate[4]
|Na-|[Al-Si-O]-**JBW**[5]

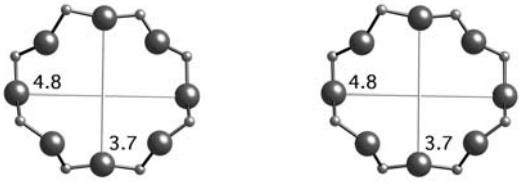
Type Material: Na-J (Barrer and White) **JBW**

Type Material Data

Crystal chemical data: |Na_3 $(H_2O)_{1.5}$| [$Al_3Si_3O_{12}$]-**JBW**
orthorhombic, *Pna*2_1, *a* = 16.426Å, *b* = 15.014Å, *c* = 5.224Å [(1)]
(Relationship to unit cell of Framework Type: *a*' = 2*c*, *b*' = 2*b*, *c*' = *a*)

Framework density: 18.6 T/1000Å^3

Channels: [001] **8** 3.7 x 4.8*



8-ring along [001]

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(1) Hansen, S. and Fälth, L. *Zeolites*, **2**, 162-166 (1982)
(2) Healey, A.M., Henry, P.F., Johnson, G.M., Weller, M.T., Webster, M. and Genge, A.J. *Microporous Mesoporous Mat.*, **37**, 165-174 (2000)
(3) Tripathi, A. and Parise, J.B. *Microporous Mesoporous Mat.*, **52**, 65-78 (2002)
(4) Rheinhardt, A., Hellner, E. and Ahsbahs, H. *Fortsch. Mineral.*, **60**, 175-176 (1982)
(5) Ragimov, K.G., Chiragove, M.I., Mustafaev, N.M. and Mamedov, Kh.S. *Sov. Phys. Dokl.*, **23**, 697-698 (1978)