

substance: $\text{Mn}_n\text{Si}_{2n-m}$

property: coordination distances of Mn_4Si_7

Si – Si < 2.70 Å.

From [69K, 72K], distances in Å.

Mn	– 4 Mn	2.970		Si(1) –	Si(2)	2.578	Si(4) –	2Si(3)	2.443
Mn(1)	– 10 Si	2.320	2.701	Si(2) –	Si(3)	2.488		Si(4)	2.605
Mn(2)	– 8 Si	2.357	2.392		Si(1)	2.578			
Mn(3)	– 8 Si	2.272	2.575	Si(3) –	Si(4)	2.443			
Mn(4)	– 8 Si	2.375	2.471		Si(2)	2.488			
Mn (5)	– 8 Si	2.295	2.650						

References:

- 69K Karpinskii, O. G., Evseev, B. A.: *Izv. Akad. Nauk SSSR, Neorg. Mater.* 5 (1969) 525 (translation: *Inorg. Mater.* 5 (1969) 483).
- 72K Karpinskii, O. G., Evseev, B. A.: in "Chemical Bonds in Solids" Vol. 4 (ed. N. N. Sirota) Consultants Bureau New York 1972, p. 3.