

substance: CrSi₂

property: lattice parameters of CrSi₂ phases

(RT values)

Compound	<i>a</i> [Å]	<i>b</i> [Å]	<i>c</i> [Å]	Ref.
(Structure type, space group, coordination number)				
CrSi ₂ (C40 type, D ₆ ⁴ – P6 ₂ 22; Z = 3)	4.428		6.364	78N
	4.431		6.364	64S
	4.428		6.363	67P
	4.424		6.347	72N
(Cr _{33.58} Si _{66.42})	4.424		6.347	72N
Cr _{0.775} Mn _{0.225} Si ₂ (CrSi ₂ type, solubility limit)	4.412		6.345	78N, 62W

References:

- 62W Wittmann, A., Burger, K. O., Nowotny, H.: Monatsh. Chem. 93 (1962) 674.
64S Shinoda, D., Asanabe, S., Sasaki, Y.: J. Phys. Soc. Jpn. 19 (1964) 269.
67P Pearson, W. B.: "A Handbook of Lattice Spacings and Structures of Metals and Alloys", Vol. 2, Pergamon Press 1967.
72N Nishida, I.: J. Mater. Sci. 7 (1972) 1119.
78N Nishida, I., Sakata, T.: J. Phys. Chem. Solids 39 (1978) 499.