substance: $Cr_{2+x}Se_3$
property: crystal structure, physical properties

$Cr_{2+x}Se_3$ (x = 0.04)

(The references in the last column refer to all data of this document)

lattice parameters

a	6.28 Å	structure: trigonal, P $\bar{3}$ 1c for Cr_2Se_3,	67I,
c	11.64 Å	antiferromagnetic with T_N = 43 K	73B,
		and p_{eff} = 3.84 μ_B	73Y

resistivity

ρ	0.32 Ω cm	polycrystal

Seebeck coefficient

S	– 190 μV K^{-1}

energy gap

$E_{g,th}$	0.148 eV	*T* > 310 K
	0.05 eV	*T* < 310 K

References:

67I Ivanova, V. A., Abdinov, D. Sh., Aliev, G. M.: Phys. Status. Solidi 24 (1967) K145.
73B Babot, D., Chevreton, M.: J. Solid State Chem. 8 (1973) 166.
73Y Yuzuri, M.: J. Phys. Soc. Jpn. 35 (1973) 1252.