

Al-Ge (Aluminum-Germanium)

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The Al-Ge phase diagram in [Massalski2] (solid lines in Fig. 1) was redrawn from [84Mca] and [85Mca]. [93Oka] revised the diagram based on detailed (Al) solidus and solvus data reported by [91Min]. Dashed lines in Fig. 1 show the Al-Ge phase diagram calculated by [96Sri]. The calculated (Al) solidus and solvus agree well with [91Min]. The (Ge) liquidus calculated by [96Sri] is up to approximately 20 °C higher than that assessed by [84Mca] and [85Mca]. Mean values of numerous experimental data appear to support the latter according to the diagram shown in [96Sri]. Therefore, further confirmation is needed.

Cited References

- 84Mca:** A.J. McAlister and J.L. Murray, *Bull. Alloy Phase Diagrams*, 5(4), 341-347 (1984).
85Mca: A.J. McAlister and J.L. Murray, *Bull. Alloy Phase Diagrams*, 6(2), 111-112 (1985).
91Min: Y. Minamino, T. Yamane, H. Araki, T. Adachi, Y.S. Kang, Y. Miyamoto, and T. Okamoto, *J. Mater. Sci.*, 26, 5623-5630 (1991).
93Oka: H. Okamoto, *J. Phase Equilibria*, 14(1), 118-119 (1993).
96Sri: S. Srikanth, D. Sanyal, and P. Ramachandrarao, *Calphad*, 20(3), 321-332 (1996).

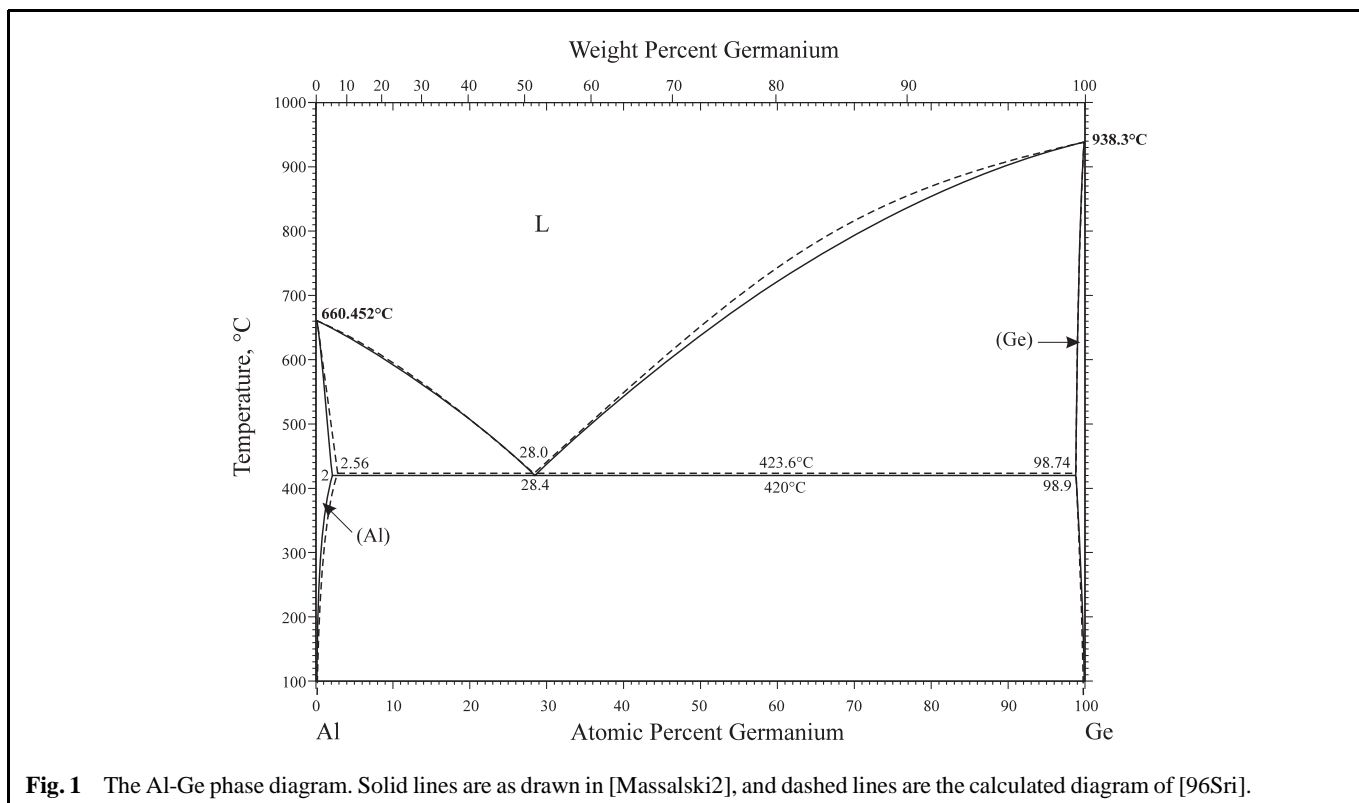


Fig. 1 The Al-Ge phase diagram. Solid lines are as drawn in [Massalski2], and dashed lines are the calculated diagram of [96Sri].