

Ir-Si (Iridium-Silicon)

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No Ir-Si phase diagram was given in [Massalski2].

The Si-rich side (50-100 at.% Si) of the Ir-Si phase diagram was reported by [1993All], as introduced in this section by [1995Oka].

[2006Sha] determined the Ir-rich side (0-50 at.% Si) of this phase diagram by means of x-ray diffraction, electron probe microanalysis, and scanning electron microscopy.

Figure 1 shows the complete Ir-Si phase diagram based on the combined work of [1993All] and [2006Sha].

References

- 1993All:** C.E. Allevato and C.B. Vining, Phase Diagram and Electrical Behavior of Silicon-Rich Iridium Silicide Compounds, *J. Alloy. Compd.*, 1993, **200**, p 99-105
- 1995Oka:** H. Okamoto, Comment on Ir-Si (Iridium-Silicon), *J. Phase Equilib.*, 1995, **16**(5), p 473-474
- 2006Sha:** J.B. Sha and Y. Yamabe-Mitarai, Phase and Microstructural Evolution of Ir-Si Binary Alloys With fcc/Silicide Structure, *Intermetallics*, 2006, **14**(6), p 672-684

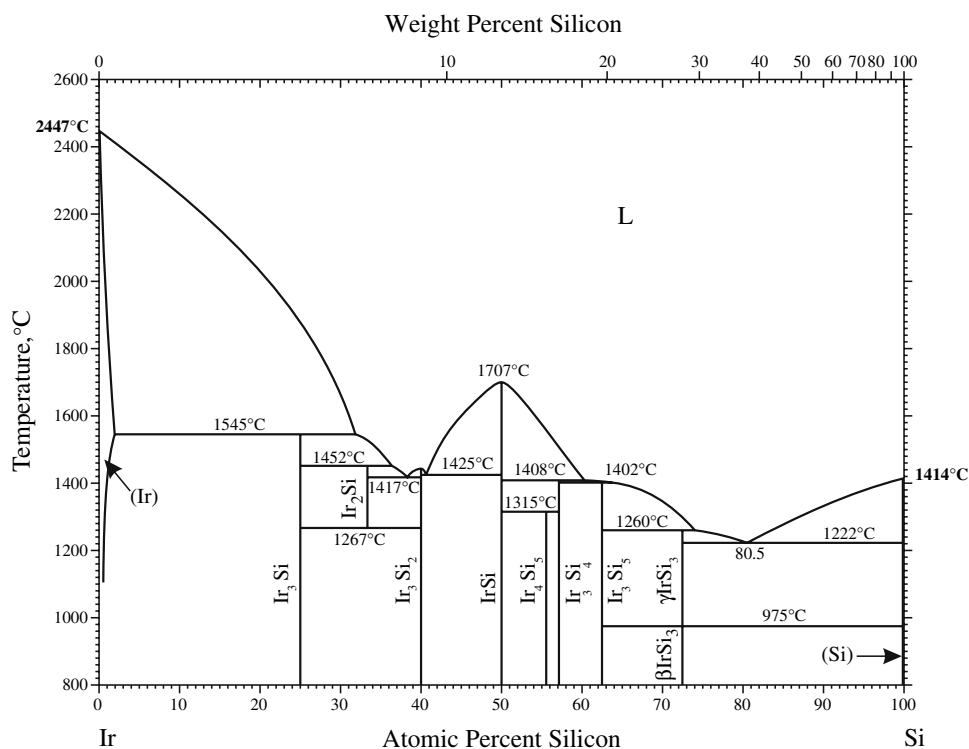


Fig. 1 Ir-Si phase diagram