

Mg-Tm (Magnesium-Thulium)

H. Okamoto

The Mg-Tm phase diagram in [Massalski2] was updated by [1996Oka] based on [1995Sac] (dashed lines in Fig. 1). Because the solubility limits were not determined, all solid phase boundaries were speculative.

Solid lines in Fig. 1 show the Mg-Tm phase diagram thermodynamically assessed by [2004Du] using the phase boundary data obtained by [1995Sac] as the basis. The calculated phase diagram may be a better presentation of the equilibrium state.

References

- 1995Sac:** A. Saccone, D. Macciò, S. Delfino, and R. Ferro, The Interpolated Tm-Mg Phase Diagram, *J. Alloys Compd.*, 1995, **220**, p 161-166
- 1996Oka:** H. Okamoto, Mg-Tm (Magnesium-Thulium), *J. Phase Equilibria*, 1996, **17**(6), p 553
- 2004Du:** Z. Du, H. Liu, and G. Ling, Thermodynamic Assessment of the Mg-Tm System, *J. Alloys Compds.*, 2004, **373**, p 151-155

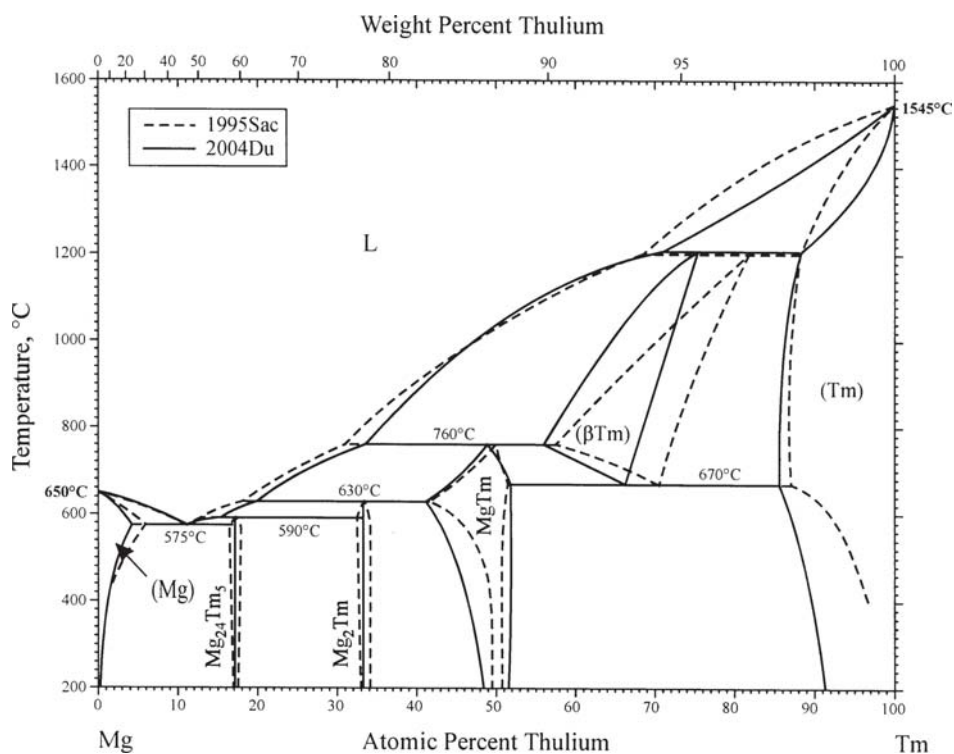


Fig. 1 Mg-Tm phase diagram