

Ho-Li (Holmium-Lithium)

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The Ho-Li phase diagram was unknown in [Massalski2]. Figure 1 shows the Ho-Li phase diagram constructed based on a schematic phase diagram and a table of invariant reaction temperatures and compositions given in [1998Gan].

Table 1 shows Ho-Li crystal structure data.

Reference

1998Gan: N.N. Ganiev, Kh.M. Nazarov, and M.D. Badalov, Interaction of Lithium with Rare-Earth Metals, *Izv. Ross. Akad. Nauk, Metally*, 1998, (6), p 109-112, in Russian; TR: *Russ. Metall.*, 1998, (6), p 132-136

Table 1 Ho-Li crystal structure data

Phase	Composition, at.% Li	Pearson symbol	Space group	Strukturbericht designation	Prototype
(Ho)	0 to ?	<i>hP2</i>	<i>P6₃/mmc</i>	<i>A3</i>	Mg
(βLi)	99.85 to 100	<i>cI2</i>	<i>Im$\bar{3}m$</i>	<i>A2</i>	W

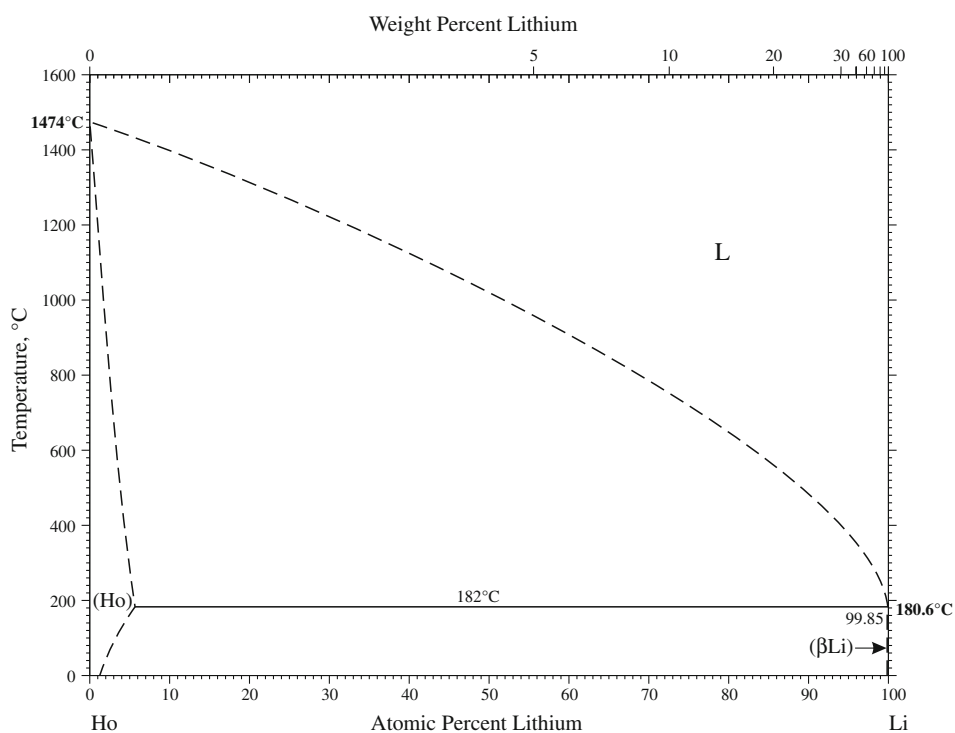


Fig. 1 Ho-Li phase diagram