

Phase diagram of Mo-Rh (molybdenum-rhodium) system

Phase Diagram

Samples prepared with melt spinning have been investigated by Gürler [99Gür] using X-ray diffraction, optical microscopy and scanning electron microscopy. The fine microstructure obtained by the applied method of rapid solidification enables to reach the phase equilibria by heat treatment in a relatively short time. [99Gür] found the solubility limit of the Mo-rich bcc phase at 873 K to be 0.65 atom-% Rh.

The discovered hcp phase transforms to the ordered phase between 1353 K and 1373 K.

References

[99Gür] Gürler, R.: J. Mater. Sci. Letters **18** (1999) 445