

substance: boron compounds with group VIII elements
property: properties of boron-nickel compounds

Ni₄YB

Preparation and structure of the compound and of the related hydrides in [97K].

Ni₄LaB

Preparation and structure of the compound and of the related hydrides in [97K].

Ni₄CeB

Preparation and structure of the compound and of the related hydrides in [97K].

Ni₄PrB

Preparation and structure of the compound and of the related hydrides in [97K].

Ni₃B

Metallic; preparation [75S], crystalline structure [77L, 75S], electronic transport [75S], magnetic properties [77B]

Ni₂B

Metallic; preparation [75S], crystalline structure [77L, 75S], electronic transport [75S], magnetic properties [77B]

Ni₄B₃ (o)

Crystalline structure [77L]

Ni₄B₃ (m)

Crystalline structure [77L]

NiB

Metallic; preparation [75S], crystalline structure [77L, 75S], electronic transport [75S, 73B], magnetic properties [73B, 77B]

NiB₂₅

Semiconducting?; preparation [60D], crystalline structure [77M1, 60D, 77M2, 70M]

amorphous (glassy) Ni – B alloys

metallic; preparation [78F, 79M], crystalline structure [79M, 79K], electrical conductivity [78F, 79M]

solid solution of Ni in β-rhombohedral boron

Interstitally doped β-rhombohedral boron, see Landolt-Börnstein 41C (boron).

References:

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