

handbook of nitride semiconductors pdf

In chemistry, a nitride is a compound of nitrogen where nitrogen has a formal oxidation state of -3 . Nitrides are a large class of compounds with a wide range of properties and applications. The nitride ion, N^{3-} , is never encountered in protic solution because it is so basic that it would be protonated immediately. Its ionic radius is estimated to be 140 pm.

Nitride - Wikipedia

A compound semiconductor is a semiconductor compound composed of chemical elements of at least two different species. These semiconductors typically form in periodic table groups 13–15 (old groups III–V), for example of elements from the Boron group (old group III, boron, aluminium, gallium, indium) and from group 15 (old group V, nitrogen, phosphorus, arsenic, antimony, bismuth).

List of semiconductor materials - Wikipedia

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