

### **non-graphitic carbon**

All varieties of solids consisting mainly of the element carbon with two-dimensional long-range order of the carbon atoms in planar hexagonal networks, but without any measurable crystallographic order in the third direction (*c*-direction) apart from more or less parallel stacking.

Notes:

Some varieties of non-graphitic carbon convert on heat treatment to *graphitic carbon (graphitizable carbon)* but some others do not (*non-graphitizable carbon*).

See also *amorphous carbon*.

1995, 67, 498