

non-graphitizable carbon

A non-graphitic carbon which cannot be transformed into graphitic carbon solely by high-temperature treatment up to 3300 K under atmospheric pressure or lower pressure.

Note:

The term non-graphitizable is limited to the result of heat treatment without additional influence of foreign matter or neutron radiation. Non-graphitizable carbon can be transformed into graphitic carbon by a high-temperature process via intermediate dissolution in foreign matter and precipitation under high pressure or by radiation damage.

Source:

PAC, 1995, 67, 473 (*Recommended terminology for the description of carbon as a solid (IUPAC Recommendations 1995)*) on page 498