

puffing

An irreversible expansion of some carbon artifacts during graphitization heat treatment between 1650 and 2700 K.

Note:

Puffing is caused by the release of heteroatoms, for instance sulfur atoms, from the coke in association with specific microstructural rearrangements.

Source:

PAC, 1995, 67, 473 (*Recommended terminology for the description of carbon as a solid (IUPAC Recommendations 1995)*) on page 502