

## graphitization heat treatment

A process of heat treatment of a non-graphitic carbon industrially performed at temperatures in the range between 2500 and 3300 K, to achieve transformation into graphitic carbon.

Note:

The term graphitization heat treatment does not include information as to the crystallinity achieved by the heat treatment, that is the extent of transformation into graphitic carbon or the degree of graphitization. Only for such a transformation into graphitic carbon should the term graphitization be used. Consequently: the common use of the term graphitization for the heat treatment process only, regardless of the resultant crystallinity, is incorrect and should be avoided.

**Source:**

PAC, 1995, 67, 473 (*Recommended terminology for the description of carbon as a solid (IUPAC Recommendations 1995)*) on page 493