

high-pressure graphitization

A term which refers to the solid-state transformation of non-graphitic carbon into graphite by heat treatment under elevated pressure (e.g. 100 to 1000 MPa) so that a definitely higher degree of graphitization is achieved at lower temperature and/or for a shorter heat treatment time than in heat treatment of the same non-graphitic material at atmospheric pressure.

Source:

PAC, 1995, 67, 473 (*Recommended terminology for the description of carbon as a solid (IUPAC Recommendations 1995)*) on page 495