

carbon–carbon composite

A carbon fibre-reinforced carbon matrix material. The carbon matrix phase is typically formed by solid, liquid or gaseous pyrolysis of an organic precursor material. The matrix is either a graphitizable carbon or non-graphitizable carbon, and the carbonaceous reinforcement is fibrous in form. The composite may also contain other components in particulate or fibrous forms.

Source:

PAC, 1995, 67, 473 (*Recommended terminology for the description of carbon as a solid (IUPAC Recommendations 1995)*) on page 480