

graphite fibres

Carbon fibres consisting mostly of synthetic graphite for which three-dimensional crystalline order is confirmed by X-ray diffraction.

Note:

Graphite fibres can be obtained by graphitization heat treatment of carbon fibres if these consist mostly of graphitizable carbon. If the h,k,l diffraction lines are difficult to recognize because they are of minor intensity, the mean interlayer spacing $c/2$ can be used as indication for the presence of a graphitic structure. The $c/2$ value of 0.34 nm is generally considered as an upper limit for synthetic graphite.

Source:

PAC, 1995, 67, 473 (*Recommended terminology for the description of carbon as a solid (IUPAC Recommendations 1995)*) on page 492