

graphite whiskers

Thin, approximately cylindrical filaments in which *graphene layers* are arranged in a scroll-like manner. There is, at least in part, a regular stacking of the layers as in the *graphite* lattice, giving rise to *h,k,l*, X-ray reflections. The physical properties of graphite whiskers approach, along the cylinder axis, those of graphite.

Notes:

If there is, due to misalignment of the layers caused by their bending, no three-dimensional stacking order as in graphite, the term *carbon whiskers* should be used. Graphite whiskers and carbon whiskers should be distinguished from more disordered *filamentous carbon*.

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