

### **polycrystalline graphite**

A *graphite material* with coherent crystallographic domains of limited size regardless of the perfection and preferred orientation (texture) of their crystalline structure.

Notes:

The common use of the term polycrystalline graphite for *polygranular graphite* is in line with this definition but may be inexact because usually all grains of polygranular graphite are polycrystalline themselves. Polycrystalline graphite can exhibit a random orientation, more or less preferred orientation, or a highly oriented texture as in some *pyrolytic graphites*. There is no sharp transition, however, between the typical polycrystalline texture and the 'single crystal-like' texture of *highly oriented pyrolytic graphite* (HOPG).

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