

pyrolytic graphite

A graphite material with a high degree of preferred crystallographic orientation of the *c*-axes perpendicular to the surface of the substrate, obtained by graphitization heat treatment of pyrolytic carbon or by chemical vapour deposition at temperatures above 2500 K.

Note:

'Pyrographite', a synonym for pyrolytic graphite, was introduced as a trademark and should not be used as a term. Hot working of pyrolytic graphite (by heat treatment under compressive stress at temperatures above 3000 K) results in highly oriented pyrolytic graphite (HOPG).

Source:

PAC, 1995, 67, 473 (*Recommended terminology for the description of carbon as a solid (IUPAC Recommendations 1995)*) on page 502