

fluid coke

The carbonization product of high-boiling hydrocarbon fractions (heavy residues of petroleum or coal processing) produced by the fluid coking process.

Note:

Fluid coke consists of spherulitic grains with a spherical layer structure and is generally less graphitizable than delayed coke. Therefore, it is not suitable as filler coke for polygranular graphite products and is also less suitable for polycrystalline carbon products. Because of its isotropy it is less suitable to produce an anisotropic synthetic graphite. All cokes contain a fraction of matter that can be released as volatiles during heat treatment. This mass fraction, the so-called volatile matter, is in the case of fluid coke about 6 wt.%.

Source:

PAC, 1995, 67, 473 (*Recommended terminology for the description of carbon as a solid (IUPAC Recommendations 1995)*) on page 489