



# Industrial Carbon and Graphite Materials: Raw Materials, Production and Applications

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## DESCRIPTION

An excellent overview of industrial carbon and graphite materials, especially their manufacture, use and applications in industry.

Following a short introduction, the main part of this reference deals with industrial forms, their raw materials, properties and manifold applications. Featuring chapters on carbon and graphite materials in energy application, and as catalysts. It covers all important classes of carbon and graphite, from polygranular materials to fullerenes, and from activated carbon to carbon blacks and nanoforms of carbon.

Indispensable for chemists and engineers working in such fields as steel, aluminum, electrochemistry, nanotechnology, catalyst, carbon fibres and lightweight composites.

## ABOUT THE AUTHOR

Hubert Jäger received his PhD from the Technical University of Karlsruhe. He started his industrial career in 1986 at SGL Carbon. Since then, he held various positions in R&D, production, technical service and others. Since 2014 he is Professor at the Institut für Leichtbau und Kunststofftechnik (IKL) at the Technical University of Dresden. He is author of several papers in polymer chemistry, SiC-fiber composite technology and carbon fiber surface chemistry.

Wilhelm Frohs received his PhD 1989 under the guidance of Prof. Fitzer. In the same year he joined SGL Carbon and has held various R&D positions. His current activities are focused on raw material development. He is author of many papers in the fields of carbon fibers, petroleum, and coal tar pitch coke, coal tar pitch, and graphite electrodes. Since 2010 he is president of the German Carbon Group (Arbeitskreis Kohlenstoff, AKK).

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