

Interfaces between the textural components in metallurgical cokes

- - Coke Petrography



Description: -

-Interfaces between the textural components in metallurgical cokes

-Interfaces between the textural components in metallurgical cokes

Notes: Thesis (Ph.D.) - Loughborough University of Technology, 1996.

This edition was published in 1996



Filesize: 38.910 MB

Tags: #ACARP #Abstract

A Method for the Rapid Characterization of Petroleum Coke Microstructure Using Polarized Light Microscopy

No clear evidence of an influence of interface quality on coke tensile strength is apparent from the present data. Lower pore roundness low-circularity coke has prone to less strength and prone to development of crack in coke. A plot of relative pore volume versus pore radius for six numbers of coke samples is given in Fig.

British Library EThOS: Interfaces between the textural components in metallurgical cokes

The use of ground tire in the coal blends for metallurgical coke production can be considered an environmentally friendly destination because all the gases from the process are collected, treated and reused. Coke micro-texture is characterized using optical microscopy OM as well as by transmission electron microscopy TEM. The selected samples were taken for the image analysis.

Properties and Structure of Metallurgical Coke

A feasible way to reduce this cost is to use alternative materials, which are coal cheaper, but which are capable of maintaining the coke quality required by blast furnaces. By taking into account the recommended live load factor of 1. When its fusing is reached, the thin layer of heated coal softens and fuses.

Tribological Approach to Investigate the Interface Properties in Metallurgical Coke

Hence, TEM in the 002 dark field modes resolution around 1 nm is frequently used to characterize the MODs below the micrometric scale. High VM with insufficient dilatation coals were used in carbonization shown high porosity values with lower pore roundness high low-circularity of pores: connected pores.

Tribological Approach to Investigate the Interface Properties in Metallurgical Coke

The outlines of each 250-micron square stitched image can be seen within this blue mass.

Green Pre

In: IV PlastShow; 2008 May 6-8; São Paulo; 2008.

Related Books

- [Kine, kin, and country, the Victoria River District of the Northern Territory, 1911-1966](#)
- [Directory of the European Council of International Schools.](#)
- [Hysteroscopy - textbook and atlas](#)
- [Chemistry of cement and concrete.](#)
- [Religiöse Bewusstsein der Menschheit im Stufengang seiner Entwicklung](#)